

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: ALL-PRO

Report Number: P167654

Luminaire Tested: **REV3XX50-60DEGREES**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P167654
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33939)
Test Lab: INNOVATION CENTER P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: ALL-PRO
Catalog Number: REV3XX50-60DEGREES
Description: R-EVOLVE WITH TRIPLE OPTICS.
(3) LEDS WITH OPTICS ORIENTED 60 DEGREES APART
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2399.7 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.75' x L: 0.25' x H: 0.04')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U2 - G1

Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

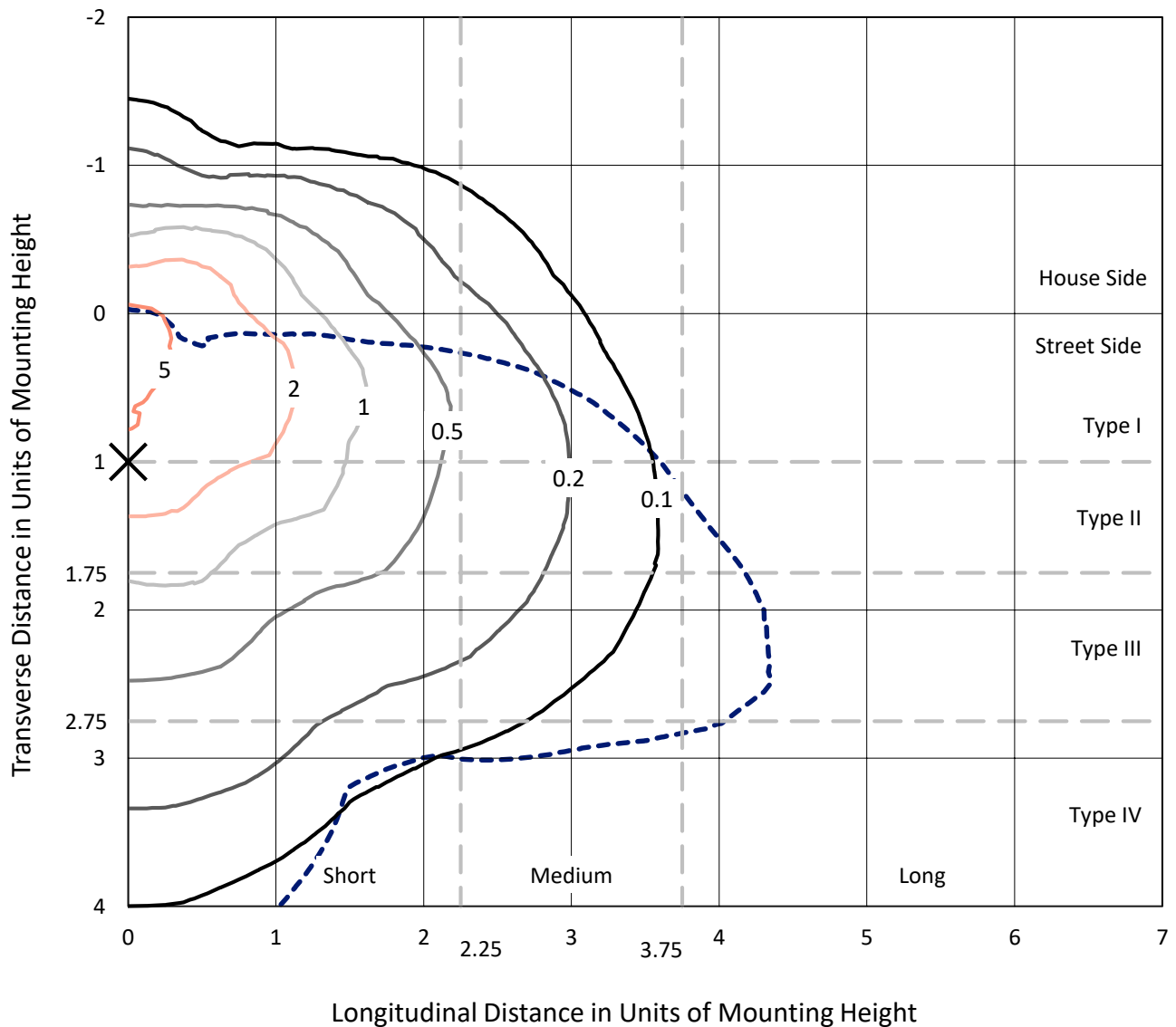


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

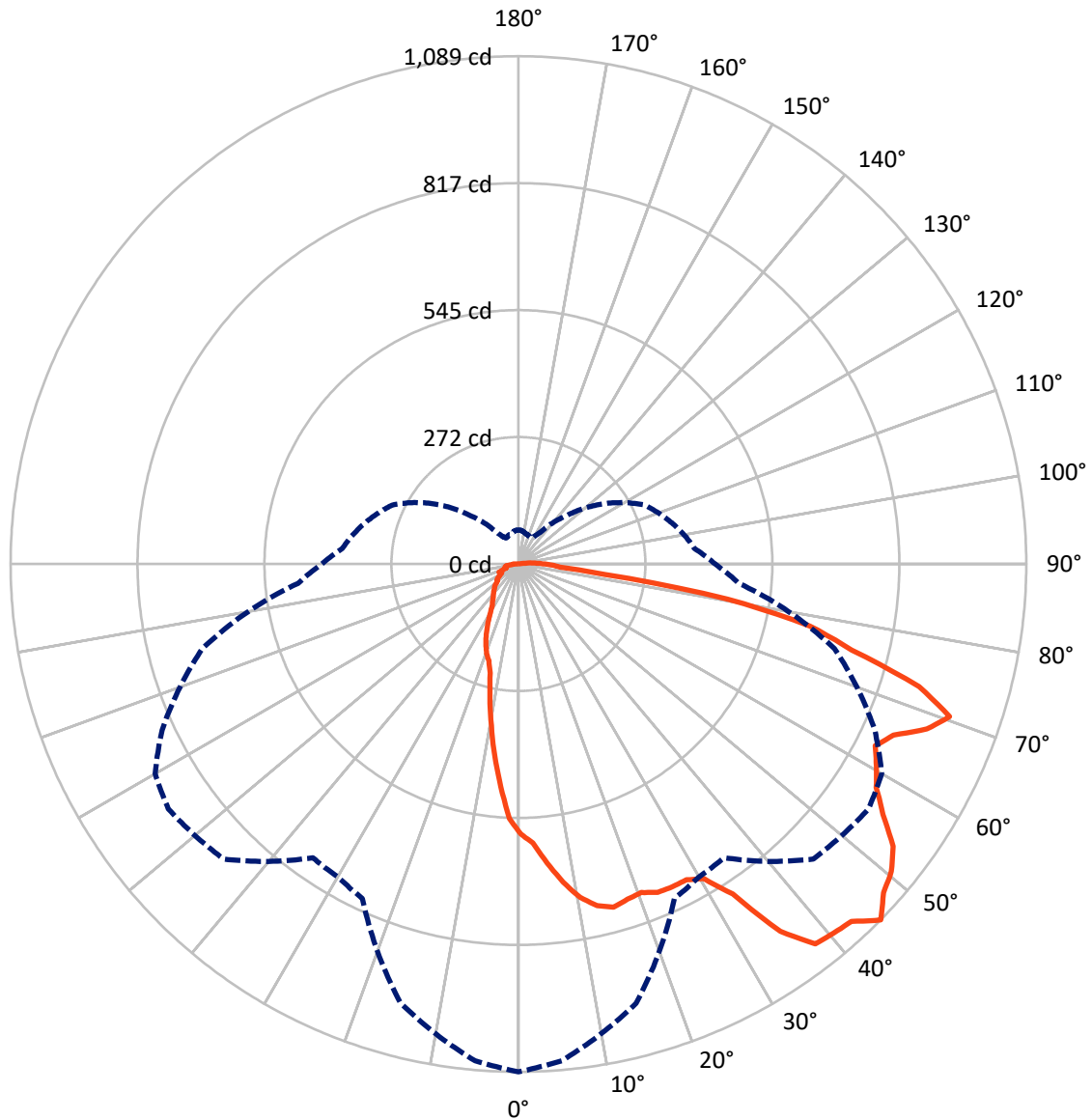


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 45-Deg Vertical

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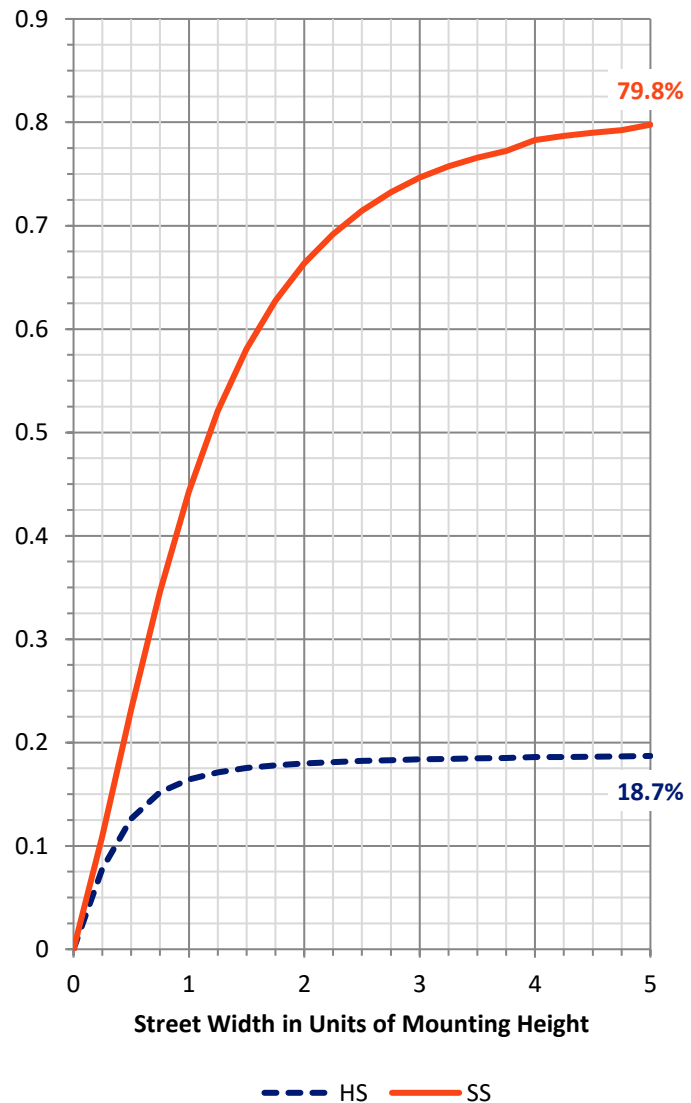
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	455.0	1.9	456.9
	% Fixture	19.0	0.1	19.0
Street Side	Lumens	1933.1	9.7	1942.8
	% Fixture	80.6	0.4	81.0
Total	Lumens	2388.1	11.6	2399.7
	% Fixture	99.5	0.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	2.2
10°-20°	143.0	6.0
20°-30°	212.7	8.9
30°-40°	299.7	12.5
40°-50°	387.4	16.1
50°-60°	433.6	18.1
60°-70°	455.1	19.0
70°-80°	340.5	14.2
80°-90°	62.7	2.6
90°-100°	11.6	0.5
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2388.1	99.5
0°-180°	2399.7	100.0



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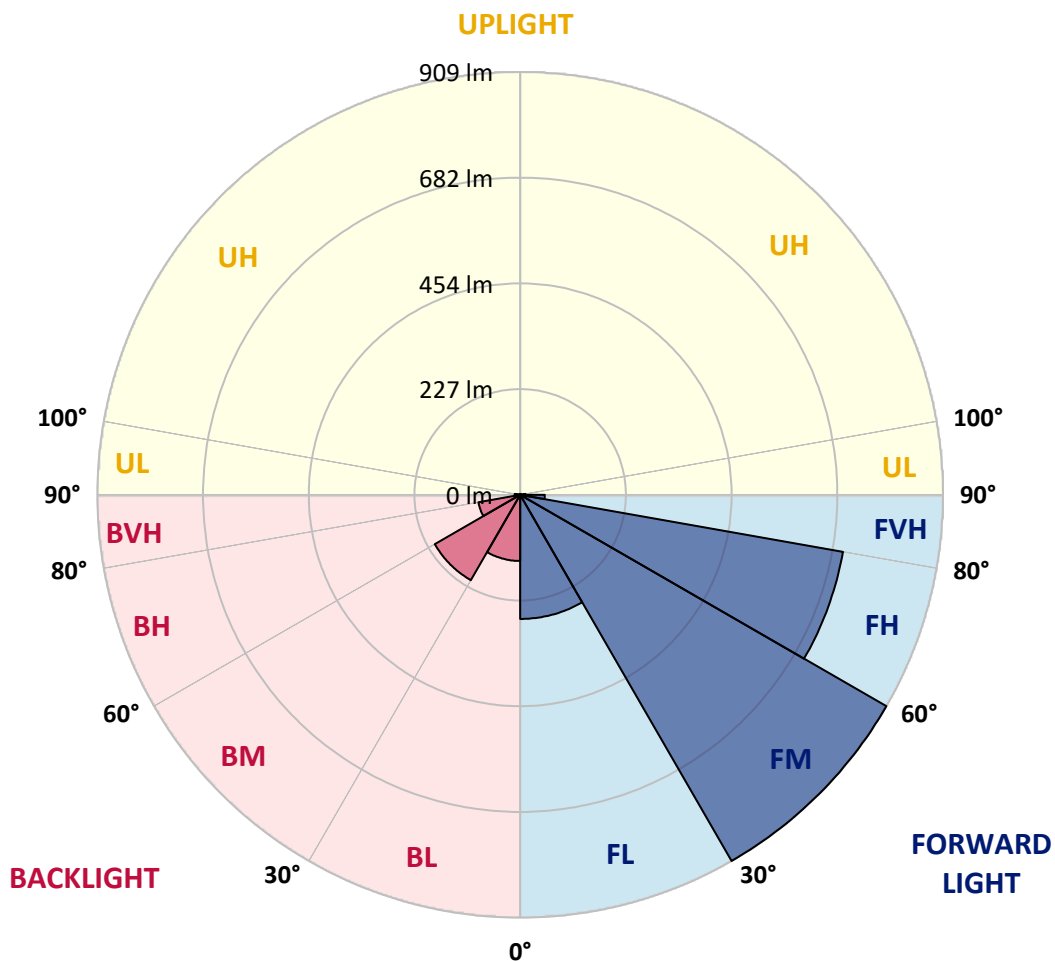
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	266.8	11.1			
FM	(30°-60°)	908.8	37.9			
FH	(60°-80°)	704.5	29.4			G1/1800
FVH	(80°-90°)	53.0	2.2			G1/100
BL	(0°-30°)	142.2	5.9	B1/500		
BM	(30°-60°)	212.0	8.8	B0/220		
BH	(60°-80°)	91.2	3.8	B0/110		G0/110
BVH	(80°-90°)	9.6	0.4			G0/10
UL	(90°-100°)	11.6	0.5		U2/50	
UH	(100°-180°)	1.9	0.1		U1/10	

BUG Rating: B1-U2-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0
2.5°	598.8	597.8	597.8	596.8	597.3	597.8	599.3	597.8	597.8	595.8	594.8
5°	644.3	643.3	641.8	639.3	640.8	640.3	639.8	637.3	633.9	628.4	624.0
7.5°	688.8	689.8	689.8	688.8	691.3	692.8	690.3	684.8	675.0	663.1	653.2
10°	727.4	726.4	726.9	726.4	725.9	725.4	720.5	712.5	699.7	684.8	669.0
12.5°	752.1	754.1	753.1	752.1	750.1	747.2	738.3	727.4	709.1	690.8	671.0
15°	764.0	768.0	766.0	762.0	754.1	746.2	731.3	715.5	694.7	673.9	655.6
17.5°	756.1	760.1	755.1	750.2	737.3	723.4	706.1	685.8	666.5	647.2	628.4
20°	752.2	755.1	743.3	729.4	714.0	696.7	676.9	658.1	639.8	620.5	606.1
22.5°	765.0	764.0	744.7	724.4	705.1	684.8	665.5	650.2	634.3	616.5	604.1
25°	767.0	766.0	746.2	726.4	708.6	689.8	672.4	654.1	635.8	617.5	604.6
27.5°	767.0	765.0	751.1	736.3	720.9	704.6	686.3	665.0	643.7	620.5	605.1
30°	782.8	780.8	771.9	762.0	746.2	728.3	707.5	683.8	660.5	636.3	619.0
32.5°	844.1	841.1	818.4	795.6	768.4	741.2	718.4	694.7	680.8	666.0	662.0
35°	967.7	957.8	908.9	858.9	795.6	731.3	707.0	682.8	707.6	731.3	751.6
37.5°	1034.0	1016.2	950.4	883.6	811.9	740.1	715.9	693.7	729.3	763.0	795.7
40°	1040.9	1028.0	957.8	885.6	825.7	764.9	739.2	721.4	749.1	774.9	812.0
42.5°	1047.8	1052.7	989.9	925.1	856.4	786.6	763.9	752.1	790.7	828.4	856.6
45°	1089.3	1069.5	1023.0	975.5	884.0	791.6	774.8	768.9	832.8	894.7	905.6
47.5°	1053.6	1025.9	1002.7	979.4	899.3	817.3	808.4	807.5	861.5	915.5	903.6
50°	1036.8	1006.1	987.8	968.5	905.8	841.0	837.1	835.2	878.3	920.4	904.2
52.5°	1006.1	988.3	979.4	970.5	906.2	841.0	837.6	835.2	885.8	936.3	911.6
55°	948.7	970.4	975.9	980.3	900.3	819.2	815.3	812.5	883.8	954.1	921.5
57.5°	905.1	951.6	961.0	969.4	885.4	799.4	796.5	794.7	873.4	951.2	916.6
60°	882.3	923.9	945.2	964.5	881.9	798.4	796.5	794.7	873.9	951.2	909.2
62.5°	858.6	912.0	937.2	962.5	876.5	789.5	788.1	785.8	868.5	950.2	906.7
65°	884.3	900.1	923.4	945.6	861.6	776.6	774.8	773.9	855.2	935.4	895.8
67.5°	944.6	944.6	944.1	942.7	849.8	756.8	756.5	757.1	847.2	936.4	921.6
70°	981.1	982.1	950.5	917.9	819.1	719.3	719.4	727.4	823.0	918.6	936.5
72.5°	899.0	895.1	855.6	815.0	724.1	632.2	637.2	652.2	740.3	828.5	854.3
75°	738.8	753.6	701.7	649.8	574.2	497.6	501.7	523.5	598.8	672.1	711.8
77.5°	638.9	611.2	527.6	443.1	395.7	347.3	347.3	358.3	412.3	465.3	542.5
80°	454.9	401.5	299.7	196.8	173.6	148.4	149.9	151.4	184.6	215.8	312.8
82.5°	185.9	155.3	128.6	99.9	95.5	89.0	90.5	92.0	103.4	113.8	138.1
85°	92.0	89.0	83.6	78.1	75.2	71.2	70.7	71.3	78.7	85.1	89.1
87.5°	73.2	68.2	61.8	54.4	53.9	52.4	52.9	52.4	54.9	56.4	63.8
90°	52.4	49.5	45.5	40.6	39.1	35.6	36.1	35.6	39.1	41.6	46.5
92.5°	35.6	34.6	33.1	30.7	30.2	28.7	28.7	28.7	31.2	32.7	35.6
95°	25.7	24.7	23.2	21.8	21.8	20.8	20.8	20.8	22.3	22.8	24.7
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: REV3XX50-60DEGREES

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: REV3XX50-60DEGREES

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0
2.5°	593.8	589.4	584.9	584.4	582.9	580.0	575.0	576.0	573.0	570.6	568.1
5°	618.6	609.2	598.8	592.8	584.9	578.5	570.1	565.1	558.2	549.8	539.4
7.5°	642.3	626.5	612.6	602.2	590.8	582.4	572.0	563.1	551.3	536.9	521.6
10°	652.2	633.9	614.6	603.2	590.8	579.0	566.1	554.2	538.4	520.1	501.8
12.5°	651.2	626.9	608.6	595.8	581.9	568.1	553.2	539.4	522.6	502.8	481.0
15°	637.3	611.6	593.8	579.4	565.1	549.3	532.4	513.7	493.9	472.1	450.3
17.5°	609.6	584.8	567.0	553.2	538.4	520.6	501.8	485.0	465.2	451.3	435.5
20°	590.8	568.0	550.2	530.9	510.6	493.3	474.1	461.2	449.4	439.5	428.6
22.5°	590.8	569.5	548.2	523.5	497.8	483.4	467.1	453.3	443.4	434.0	424.6
25°	590.8	567.5	543.3	519.5	495.8	484.0	471.1	455.3	438.5	426.6	413.8
27.5°	589.8	567.0	540.3	522.5	503.7	489.9	475.1	458.3	437.5	419.2	398.9
30°	601.7	581.9	557.2	538.4	518.6	501.3	484.0	461.3	435.5	412.3	388.1
32.5°	657.1	636.3	609.6	576.0	541.4	513.7	484.0	455.3	425.7	399.9	374.2
35°	771.0	751.7	713.6	654.2	593.9	534.0	474.1	433.6	393.0	380.6	367.3
37.5°	827.4	812.1	763.1	685.4	606.8	545.4	482.1	424.7	370.2	368.8	367.3
40°	848.2	827.9	783.9	697.3	609.7	547.9	484.1	424.7	372.2	364.8	357.4
42.5°	883.8	846.3	818.6	736.9	654.3	568.7	481.1	424.7	379.2	361.4	343.5
45°	916.5	899.7	843.4	772.6	701.9	589.0	474.2	421.8	379.2	360.9	340.6
47.5°	889.8	878.5	812.7	758.3	702.9	599.4	495.0	432.7	378.2	358.4	337.6
50°	886.9	876.5	806.8	752.4	696.0	607.4	517.8	444.5	373.2	351.5	328.7
52.5°	886.9	865.2	807.8	757.3	705.9	615.3	523.7	441.6	362.4	339.6	316.8
55°	886.9	825.6	806.8	768.7	728.7	621.3	512.8	429.7	346.5	324.2	301.0
57.5°	881.0	797.9	807.8	771.7	734.6	617.3	500.0	419.8	340.6	311.4	281.2
60°	866.2	790.0	796.0	769.7	741.6	622.3	502.0	417.8	332.7	298.5	263.4
62.5°	862.2	772.2	788.0	768.3	747.5	628.7	508.9	411.9	314.8	283.6	251.5
65°	855.3	803.4	785.1	770.7	755.4	631.2	506.9	403.9	302.0	263.8	224.7
67.5°	904.8	871.2	836.6	798.5	759.4	625.7	492.1	393.1	297.0	258.9	219.8
70°	953.3	917.2	884.1	812.3	739.6	601.0	462.4	375.2	295.0	257.4	217.8
72.5°	879.1	854.4	821.8	740.1	657.4	531.2	404.9	333.6	272.2	236.6	200.0
75°	749.5	717.8	715.8	627.7	537.6	428.2	317.8	262.4	223.7	190.6	156.4
77.5°	617.8	634.6	596.0	493.6	389.1	305.9	222.8	181.2	149.5	122.2	94.0
80°	409.9	455.4	393.1	284.6	175.2	141.1	104.9	81.2	56.4	56.9	56.4
82.5°	161.4	185.6	149.5	118.3	86.1	73.8	59.4	49.5	39.6	40.6	40.6
85°	91.1	89.6	84.2	76.2	66.3	56.4	45.5	37.6	30.7	30.2	27.7
87.5°	69.3	70.8	64.4	55.4	44.5	39.6	32.7	28.7	23.8	22.8	19.8
90°	50.5	52.5	47.5	41.1	33.7	28.2	21.8	19.8	15.8	14.8	12.9
92.5°	36.6	35.1	33.7	29.2	23.8	20.8	16.8	14.9	12.9	12.9	10.9
95°	25.7	25.2	23.8	21.8	18.8	15.8	11.9	10.9	9.9	8.4	5.9
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P167654

CATALOG NUMBER: REV3XX50-60DEGREES

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: REV3XX50-60DEGREES

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0
2.5°	566.1	563.1	555.2	554.2	555.7	555.2	552.7	550.3	551.8	550.3	553.2
5°	532.5	523.5	513.2	503.8	500.3	495.8	494.4	490.9	489.9	487.9	487.4
7.5°	508.2	494.9	478.0	465.2	457.8	449.3	444.9	438.5	435.5	430.5	428.1
10°	483.0	464.2	443.9	426.6	417.7	407.8	399.9	391.9	387.5	379.1	373.1
12.5°	460.2	439.5	418.7	396.9	384.5	372.2	360.8	348.4	340.0	328.6	320.2
15°	434.5	416.7	393.9	373.2	358.3	341.5	326.1	310.8	296.0	280.1	267.3
17.5°	422.7	409.8	387.5	367.2	346.9	326.7	304.4	281.1	263.3	243.5	234.1
20°	419.2	408.8	387.5	368.2	344.0	318.7	292.5	265.3	245.5	226.7	218.7
22.5°	413.8	401.9	380.1	359.3	332.6	305.9	283.6	260.3	240.5	225.7	212.8
25°	401.4	388.1	363.8	340.5	316.8	292.0	273.7	255.4	237.6	219.7	201.9
27.5°	385.1	369.3	344.5	319.8	301.4	282.1	265.3	247.5	229.1	207.8	187.5
30°	368.3	346.5	324.2	301.9	286.6	270.3	253.4	235.6	214.8	191.0	168.2
32.5°	355.9	337.6	313.8	290.1	269.8	249.5	232.1	214.8	192.0	168.3	144.5
35°	354.4	340.6	312.3	283.1	256.4	229.7	207.9	184.1	159.4	135.6	119.3
37.5°	355.4	342.5	310.9	278.2	245.5	210.9	184.6	158.4	134.1	111.8	101.9
40°	343.0	327.7	296.0	263.3	228.2	192.1	163.8	134.6	109.4	91.0	87.1
42.5°	328.7	312.9	281.2	247.5	208.9	169.3	139.1	107.9	85.1	73.2	73.2
45°	319.8	299.0	263.3	225.7	187.1	147.5	116.3	84.1	67.8	61.4	64.8
47.5°	309.4	281.2	243.1	203.9	164.3	124.7	95.5	65.3	56.4	55.4	58.4
50°	295.0	260.4	220.8	180.2	142.1	103.9	80.2	55.4	51.5	49.5	52.4
52.5°	277.2	237.6	198.0	158.4	122.3	86.1	68.8	50.5	46.5	44.5	48.5
55°	259.9	218.8	179.7	138.6	107.4	75.2	61.9	46.5	43.1	39.6	45.0
57.5°	237.6	193.1	157.4	119.8	93.1	64.3	55.4	45.5	42.6	40.6	43.5
60°	218.8	172.3	137.1	102.0	78.7	53.5	47.5	39.6	38.1	35.6	38.1
62.5°	207.9	164.3	127.2	90.1	69.3	48.5	43.1	37.6	36.1	33.6	35.6
65°	189.1	153.5	119.8	83.2	64.3	44.5	40.6	34.6	32.7	31.7	33.2
67.5°	185.6	150.5	119.3	82.2	63.4	42.6	37.6	31.7	30.7	31.7	34.1
70°	176.7	134.6	98.5	65.3	53.0	38.6	34.6	29.7	30.2	37.6	38.1
72.5°	152.0	103.0	74.2	45.5	38.1	28.7	27.7	24.7	29.7	44.5	43.1
75°	111.4	65.3	48.5	31.7	27.2	21.8	20.8	17.8	22.3	43.6	44.1
77.5°	69.8	45.5	34.6	23.8	21.3	17.8	15.8	13.9	14.4	24.7	31.7
80°	46.5	36.6	28.2	19.8	18.3	15.8	13.4	9.9	11.4	12.9	23.8
82.5°	35.1	28.7	24.2	16.8	15.3	12.9	10.4	6.9	7.9	9.9	18.8
85°	23.3	18.8	15.8	11.9	10.4	8.9	7.4	4.9	4.0	4.9	11.4
87.5°	18.3	14.8	13.9	9.9	9.4	7.9	6.4	4.0	4.0	4.0	7.4
90°	12.4	10.9	10.4	7.9	7.4	4.9	4.0	2.0	2.5	2.0	4.0
92.5°	9.4	7.9	6.9	4.9	4.0	2.0	2.0	1.0	1.0	1.0	2.5
95°	4.9	4.0	3.5	2.0	2.0	2.0	1.5	1.0	1.0	1.0	3.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°	
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°
												110°

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DISTRIBUTION (continued):

165°	170°	175°	180°
579.0	579.0	579.0	579.0
554.2	552.8	550.3	546.3
485.0	482.5	479.0	479.0
423.6	421.6	417.7	415.7
366.2	359.3	352.4	351.4
310.8	302.9	294.0	294.0
253.4	248.0	242.5	241.5
223.7	220.7	216.8	216.8
209.8	207.8	203.9	203.9
197.9	192.0	186.0	186.0
183.1	174.7	165.3	166.2
166.3	155.9	144.5	144.5
144.5	134.1	122.7	123.7
119.7	113.8	105.9	105.9
101.9	98.9	96.0	98.0
90.0	89.5	89.0	90.0
81.1	83.1	83.1	84.1
72.2	75.2	78.2	79.1
66.3	69.3	72.2	73.2
60.4	64.3	67.3	69.3
55.4	58.4	60.3	61.3
51.4	54.4	56.4	56.4
48.5	52.4	54.4	56.4
45.5	47.0	48.5	49.5
39.6	42.0	43.5	44.5
35.6	37.6	39.6	40.6
33.6	35.6	37.6	39.6
35.6	39.1	41.6	45.5
38.6	38.1	35.6	35.6
41.6	36.1	28.7	28.7
43.6	36.1	26.7	26.7
39.6	35.6	29.7	29.7
34.6	31.7	27.7	28.7
26.7	25.7	22.8	24.7
15.8	15.8	13.9	13.9
9.9	11.4	10.9	11.9
5.9	8.4	8.9	10.9
4.0	5.9	6.9	6.9
3.0	3.0	3.0	4.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0

CANDELA DISTRIBUTION:

	165°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

