

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: STREETWORKS

Report Number: P254248

Luminaire Tested: **LXF.LXT-AF24-30-D-U-5WQ-A-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254248
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-18)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-30-D-U-5WQ-A-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3313.8 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

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: 28.75 FT

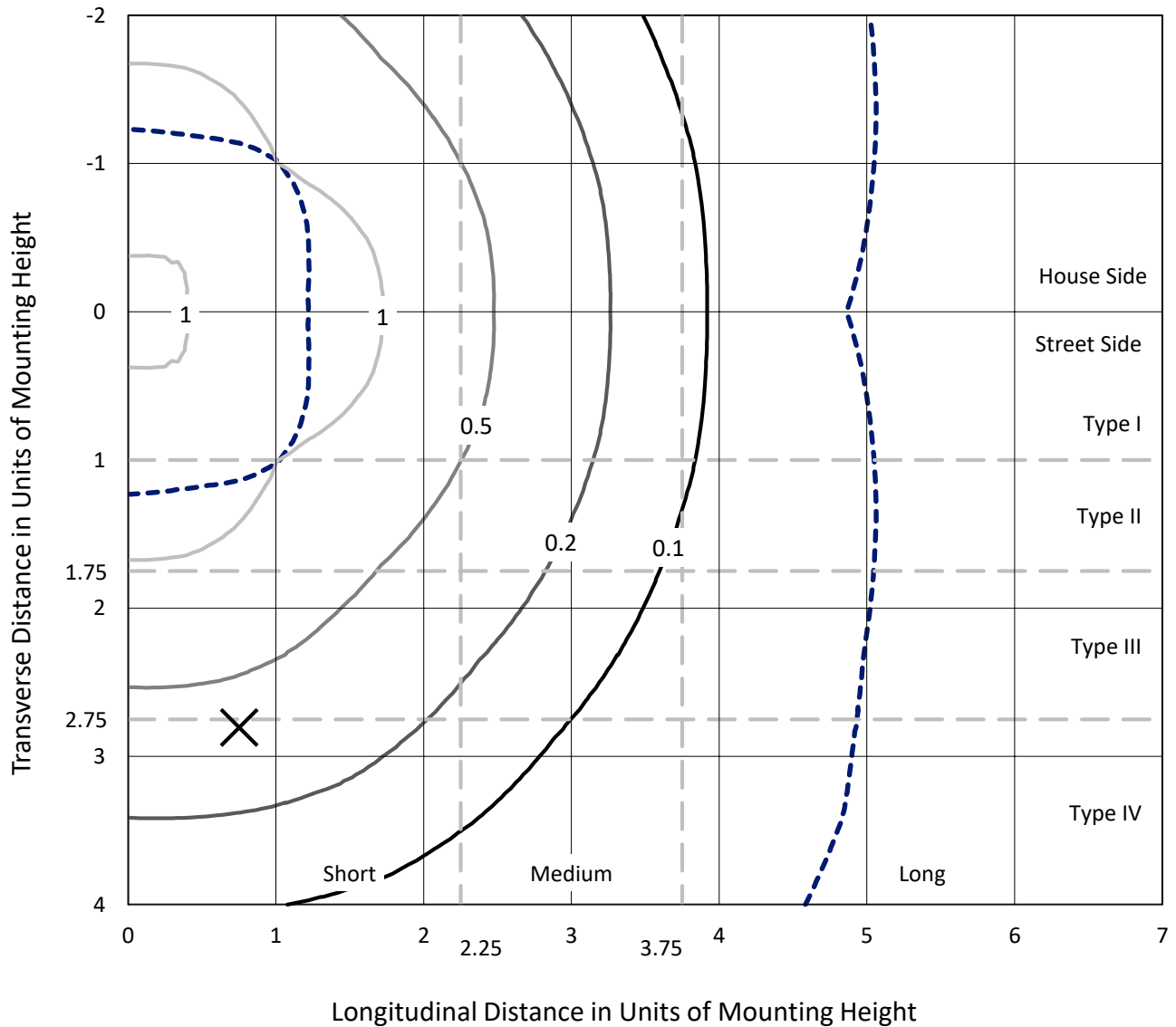


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Iso-Footcandle Lines of Horizontal Illumination

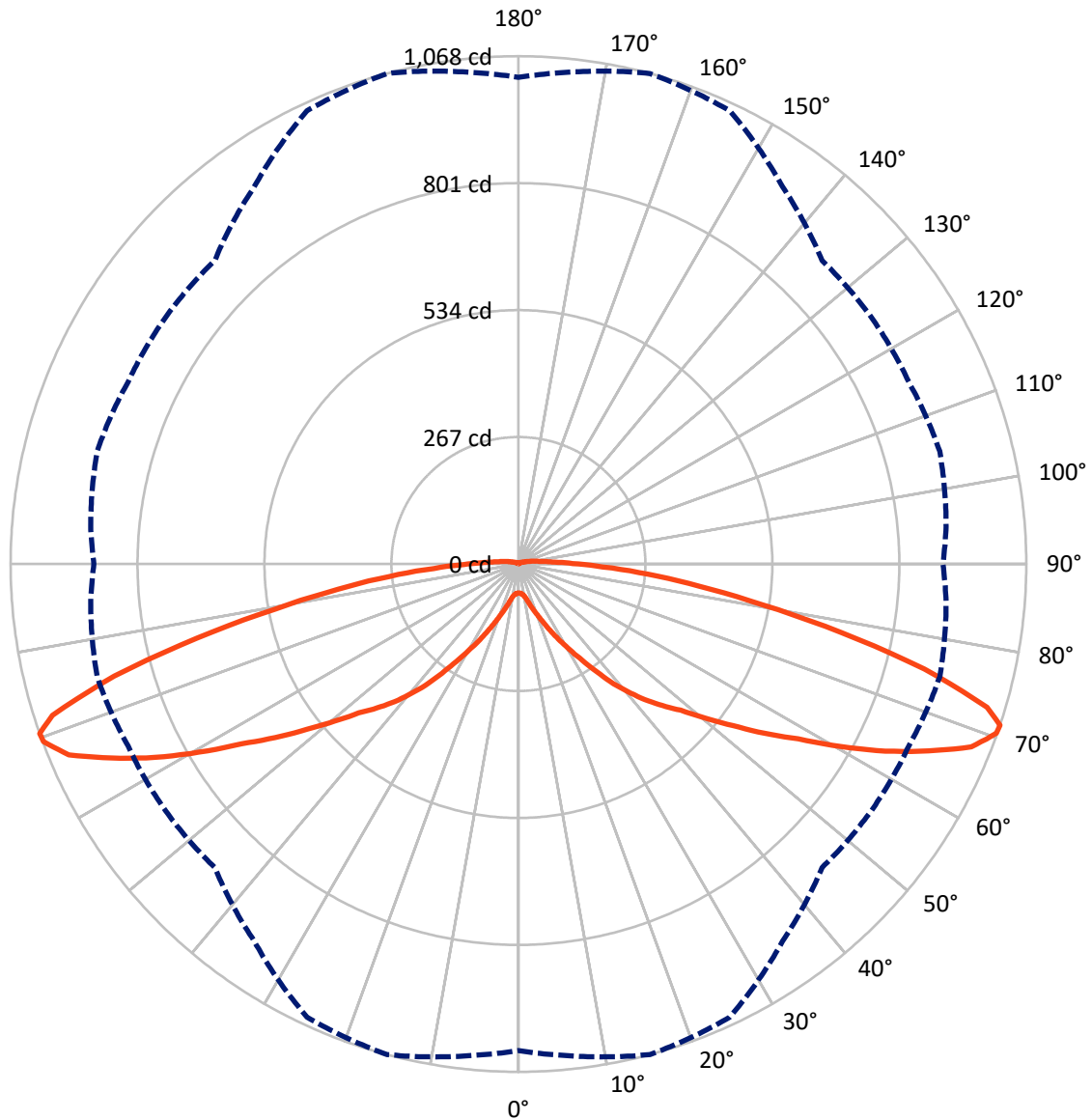
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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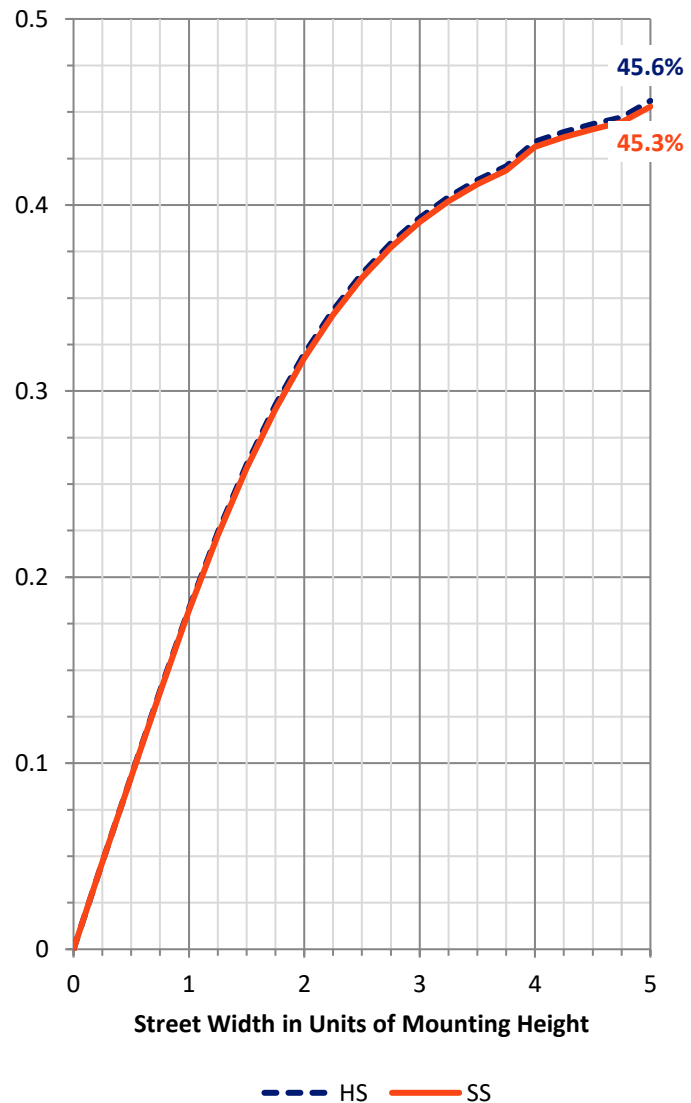
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1587.8	69.1	1656.9
	% Fixture	47.9	2.1	50.0
Street Side	Lumens	1587.8	69.1	1656.9
	% Fixture	47.9	2.1	50.0
Total	Lumens	3175.5	138.3	3313.8
	% Fixture	95.8	4.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.1	0.2
10°-20°	24.6	0.7
20°-30°	69.5	2.1
30°-40°	162.0	4.9
40°-50°	302.5	9.1
50°-60°	539.7	16.3
60°-70°	884.7	26.7
70°-80°	827.6	25.0
80°-90°	358.9	10.8
90°-100°	90.7	2.7
100°-110°	26.4	0.8
110°-120°	10.9	0.3
120°-130°	5.8	0.2
130°-140°	3.2	0.1
140°-150°	1.2	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3175.5	95.8
0°-180°	3313.8	100.0

Coefficient of Utilization



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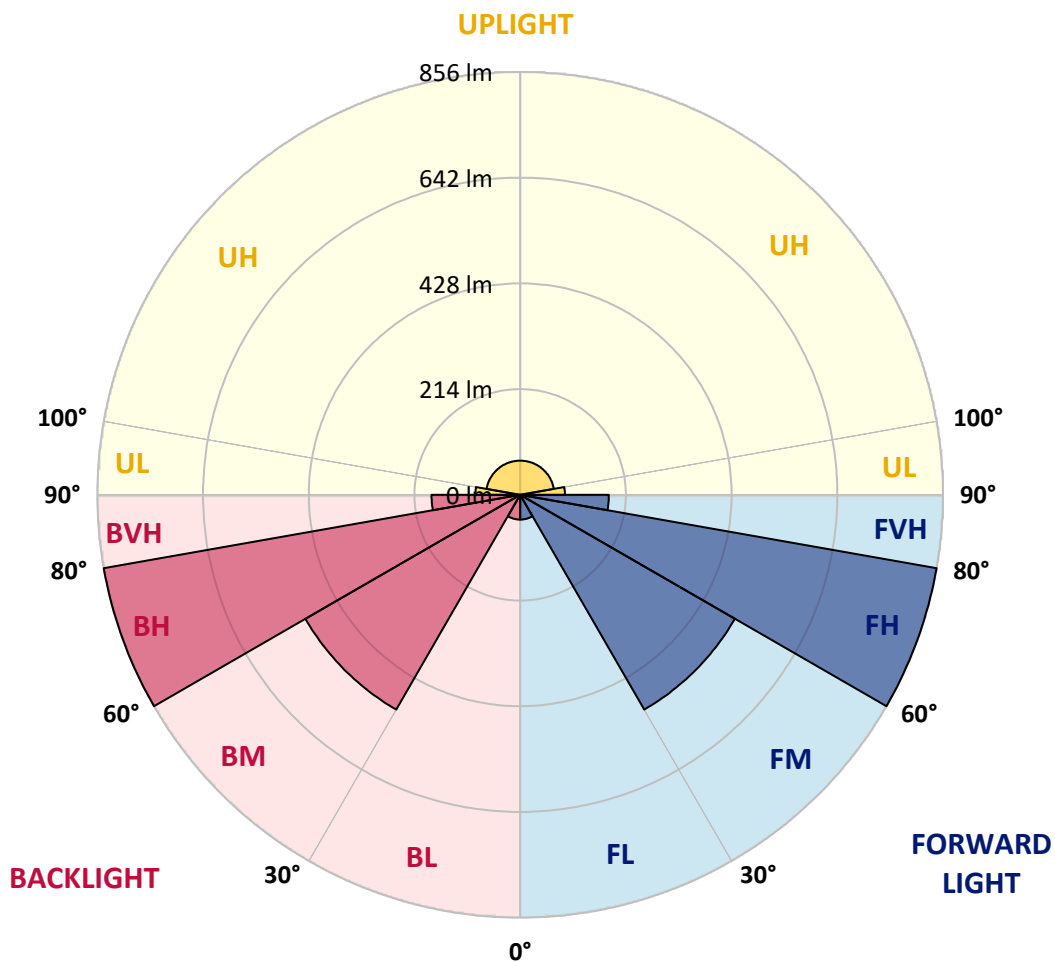
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	50.1	1.5			
FM (30°-60°)	502.1	15.2			
FH (60°-80°)	856.2	25.8			G1/1800
FVH (80°-90°)	179.5	5.4			G2/225
BL (0°-30°)	50.1	1.5	B0/110		
BM (30°-60°)	502.1	15.2	B1/1000		
BH (60°-80°)	856.2	25.8	B2/1000		G1/1800
BVH (80°-90°)	179.5	5.4			G2/225
UL (90°-100°)	90.7	2.7		U3/500	
UH (100°-180°)	69.1	2.1		U3/500	

BUG Rating: B2-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
2.5°	61.4	61.4	61.4	61.8	61.8	61.8	61.4	61.4	61.0	61.0	61.0
5°	62.5	62.5	62.5	62.5	62.5	62.5	62.2	62.2	61.8	61.8	61.8
7.5°	64.5	64.5	64.5	64.5	64.5	64.0	63.7	63.3	63.3	63.3	63.3
10°	68.5	68.5	68.2	67.7	67.4	66.6	66.6	66.3	66.3	66.3	66.6
12.5°	77.1	77.1	76.1	74.2	71.9	71.1	70.8	71.6	72.6	72.9	73.8
15°	88.4	88.4	86.9	83.9	80.6	77.6	78.2	80.6	82.4	83.5	84.2
17.5°	102.2	102.2	100.0	95.9	91.0	89.1	88.7	91.8	94.7	97.0	98.6
20°	117.6	117.6	114.6	109.0	104.2	103.0	102.6	104.9	109.4	112.7	114.2
22.5°	136.3	136.7	132.2	124.8	119.8	117.6	117.2	120.1	127.4	132.2	134.1
25°	159.5	159.5	154.7	144.2	137.4	133.8	134.5	140.1	150.2	156.9	158.1
27.5°	185.4	184.6	178.3	167.0	157.4	151.7	153.6	162.1	174.5	184.6	186.2
30°	214.2	213.5	204.6	192.6	178.6	171.9	175.0	187.3	204.1	218.4	220.2
32.5°	247.6	246.8	235.6	220.2	201.9	192.9	198.6	216.2	236.8	255.1	257.8
35°	287.7	287.0	271.9	250.5	228.2	217.2	224.7	246.1	270.4	292.5	295.9
37.5°	329.6	329.6	313.9	286.5	257.0	243.4	251.8	276.1	304.9	326.5	330.4
40°	367.7	367.7	352.1	325.5	289.5	271.5	280.1	305.3	331.0	350.6	354.3
42.5°	403.0	404.2	389.5	362.2	323.6	302.9	308.2	330.4	356.9	378.7	382.4
45°	431.1	433.3	424.4	398.5	359.9	335.7	337.5	362.5	394.0	416.9	421.4
47.5°	465.2	465.6	459.2	434.9	398.5	371.9	373.4	403.0	437.5	461.1	463.4
50°	513.5	514.6	509.0	481.3	443.0	413.1	420.6	451.4	494.1	519.1	519.8
52.5°	567.0	568.1	564.1	538.6	494.8	466.0	477.6	513.1	555.5	576.5	575.7
55°	623.3	625.8	628.1	604.5	558.1	528.5	544.2	581.3	620.6	641.3	638.9
57.5°	685.8	687.7	693.7	672.7	631.1	602.2	622.1	659.2	699.3	719.2	715.7
60°	771.6	774.5	779.4	750.6	707.6	684.7	706.4	745.7	786.5	798.5	794.1
62.5°	849.5	852.9	866.3	844.6	788.5	764.5	793.3	831.1	865.3	870.8	863.3
65°	925.5	929.2	947.6	928.9	873.1	839.0	869.3	900.4	932.3	936.4	928.9
67.5°	994.8	1004.9	1027.0	1001.2	938.2	899.3	916.5	941.6	969.6	964.9	955.5
70°	1030.5	1043.5	1066.0	1048.1	970.1	911.3	920.6	928.1	941.6	934.9	926.6
71°	1023.3	1036.8	1067.8	1051.4	968.2	902.7	905.3	905.6	916.9	902.7	892.5
72.5°	972.3	986.6	1030.5	1032.6	949.5	877.9	866.3	856.9	851.0	825.6	817.7
75°	813.9	832.7	881.7	909.8	863.3	793.7	773.4	742.0	724.7	695.6	693.7
77.5°	633.3	645.7	693.7	736.4	723.7	678.7	655.9	625.1	607.2	584.3	570.8
80°	471.9	476.1	519.5	567.8	582.5	564.5	547.6	519.8	498.6	476.5	464.8
82.5°	335.7	343.5	382.9	435.2	469.7	470.5	458.5	427.3	403.3	380.2	371.2
85°	226.9	234.8	273.0	328.5	373.0	392.1	380.2	339.4	303.4	276.4	270.9
87.5°	142.4	149.8	177.5	226.9	285.8	315.0	301.1	250.5	209.8	184.9	180.2
90°	93.3	97.8	114.2	146.4	197.0	237.4	221.7	174.5	139.8	117.6	115.4
92.5°	64.5	65.9	76.1	94.7	131.1	163.7	152.1	117.6	91.8	76.1	73.8
95°	46.1	47.5	54.0	65.1	87.6	107.5	101.2	79.8	62.5	51.7	50.1
97.5°	34.1	35.2	40.9	48.3	61.8	72.3	67.7	56.6	45.7	37.4	36.4
100°	26.6	27.0	31.8	37.4	46.1	51.7	48.3	42.3	35.2	29.2	28.5
102.5°	21.0	21.3	25.1	29.6	35.6	39.7	37.0	32.6	27.4	23.3	22.8
105°	16.5	16.8	19.4	23.6	28.5	31.1	29.2	25.4	21.0	18.0	18.0
107.5°	13.1	13.4	15.4	18.7	22.8	25.1	23.6	19.8	16.5	14.2	14.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	10.8	10.8	12.3	15.0	18.7	20.6	19.1	15.8	13.1	11.6	11.3
112.5°	9.0	9.0	10.2	12.3	15.4	16.8	15.8	12.8	10.5	9.4	9.4
115°	7.5	7.8	8.2	10.5	13.1	14.2	13.1	10.8	8.6	7.8	7.8
117.5°	6.8	6.8	7.5	9.0	11.3	12.3	11.3	9.4	7.5	7.1	7.1
120°	6.0	6.0	6.3	7.5	9.8	10.5	9.8	7.8	6.8	6.3	6.3
122.5°	5.6	5.6	5.6	6.8	8.2	9.4	8.6	7.1	6.0	5.6	5.6
125°	5.3	5.3	5.3	6.0	7.5	7.8	7.5	6.3	5.3	5.3	5.3
127.5°	5.3	5.3	5.3	5.6	6.3	7.1	6.8	5.6	4.9	4.9	4.9
130°	4.9	4.9	4.9	5.3	5.6	6.0	5.6	5.3	4.9	4.9	4.9
132.5°	4.5	4.5	4.5	4.5	4.9	5.3	4.9	4.5	4.5	4.5	4.5
135°	4.2	4.2	4.2	3.8	4.2	4.5	4.2	3.8	3.8	4.2	4.2
137.5°	3.8	3.8	3.4	3.4	3.4	3.8	3.4	3.4	3.4	3.4	3.8
140°	3.4	3.4	2.9	2.9	2.9	2.9	2.6	2.6	2.6	2.9	2.9
142.5°	2.9	2.6	2.6	2.3	2.3	2.3	2.3	1.8	2.3	2.6	2.6
145°	2.3	2.3	2.3	1.8	1.8	1.8	1.5	1.5	1.8	1.8	1.8
147.5°	1.8	1.8	1.5	1.5	1.1	1.1	1.1	1.1	1.5	1.5	1.5
150°	1.5	1.5	1.1	1.1	0.8	0.8	0.8	0.8	1.1	1.1	1.1
152.5°	1.1	1.1	0.8	0.8	0.8	0.3	0.3	0.3	0.8	0.8	0.8
155°	0.8	0.8	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.3	0.3
157.5°	0.3	0.3	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

(END OF REPORT)