

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: P266024

Luminaire Tested: **LXF.LXT-AF24-30-D-U-5WQ-A-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266024
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-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 2976.8 lumens
Efficiency: N/A
Efficacy: 96.0 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

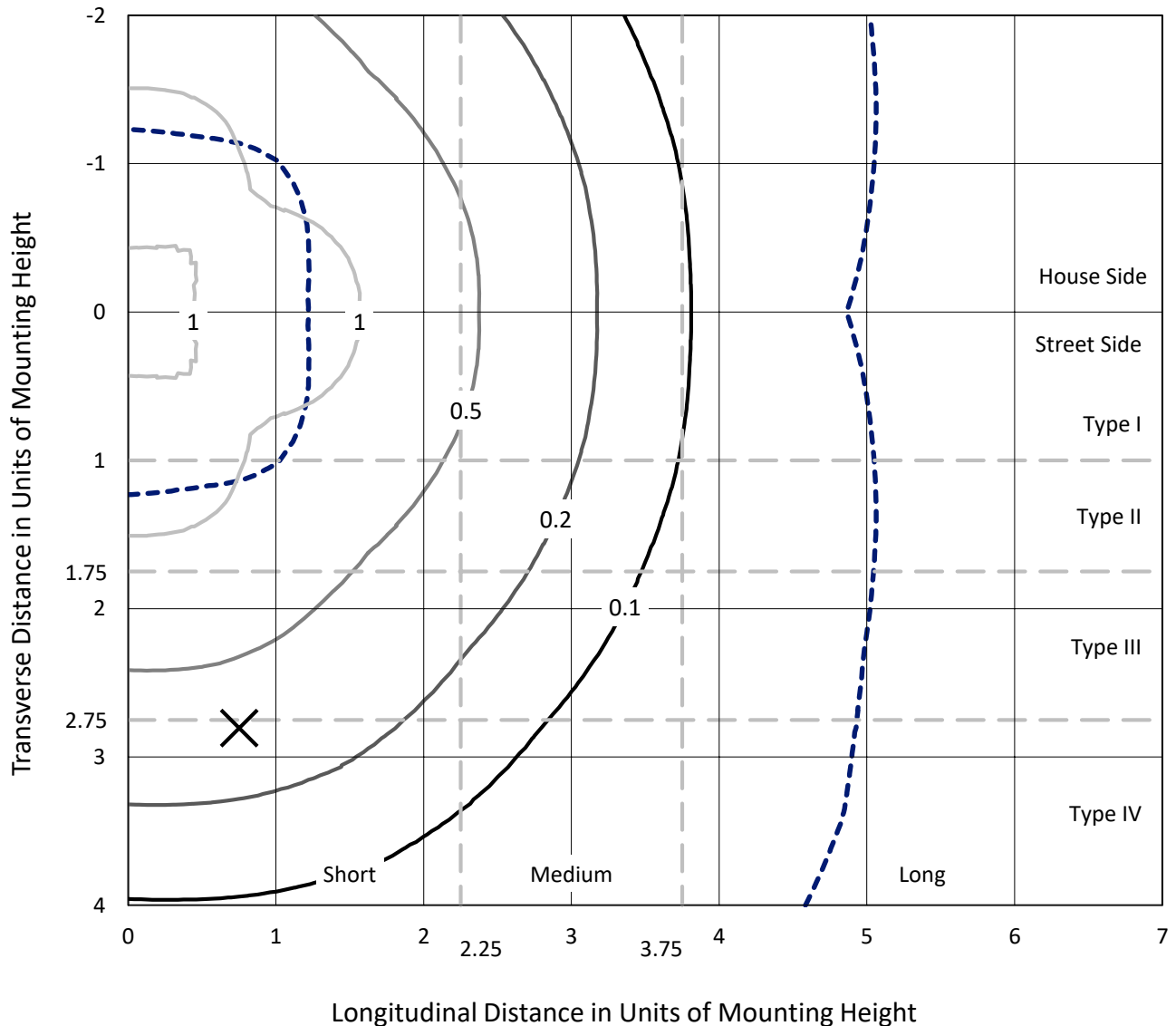


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

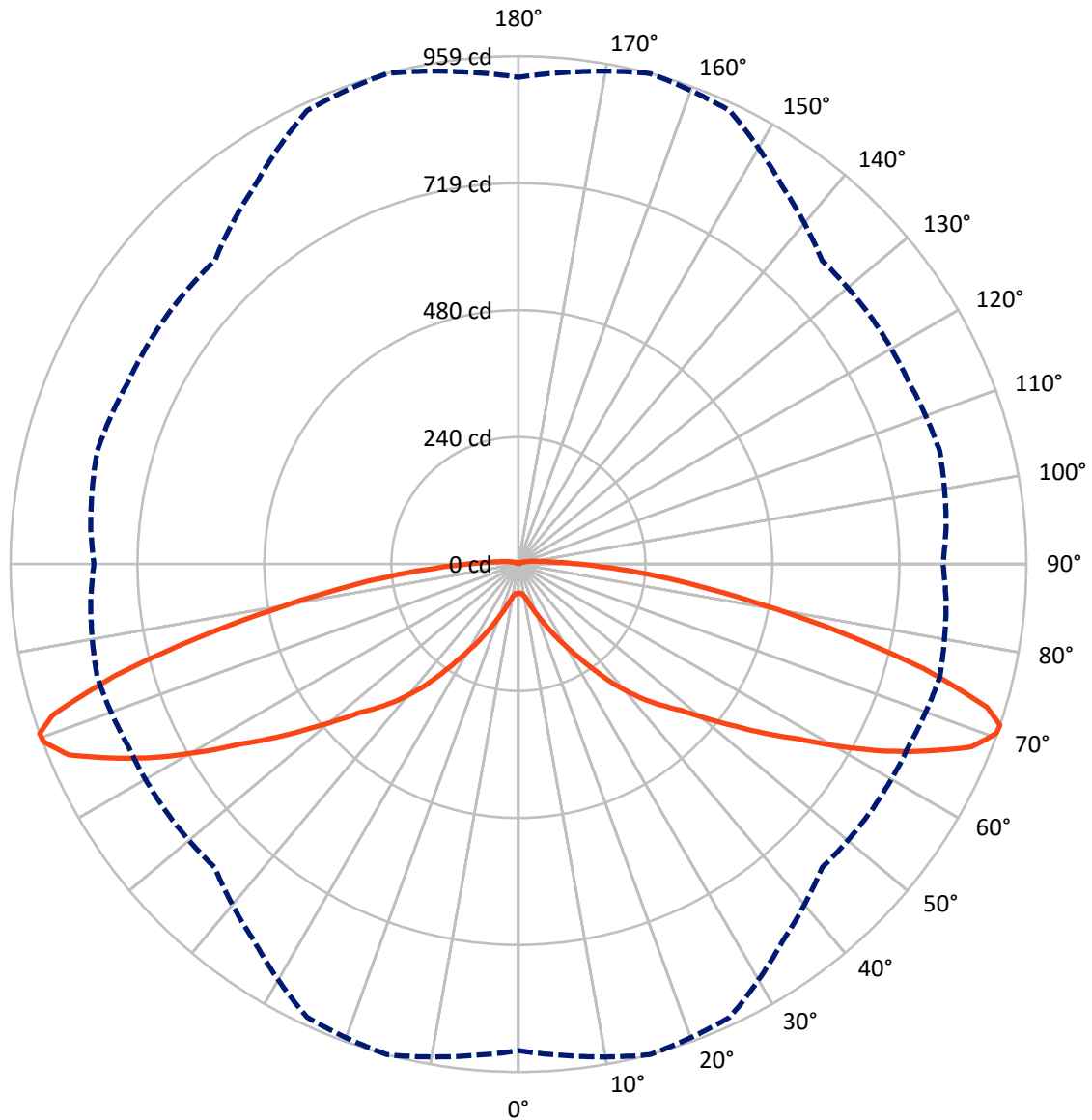


Based on 10 foot mounting height. Maximum calculated value = 1.5 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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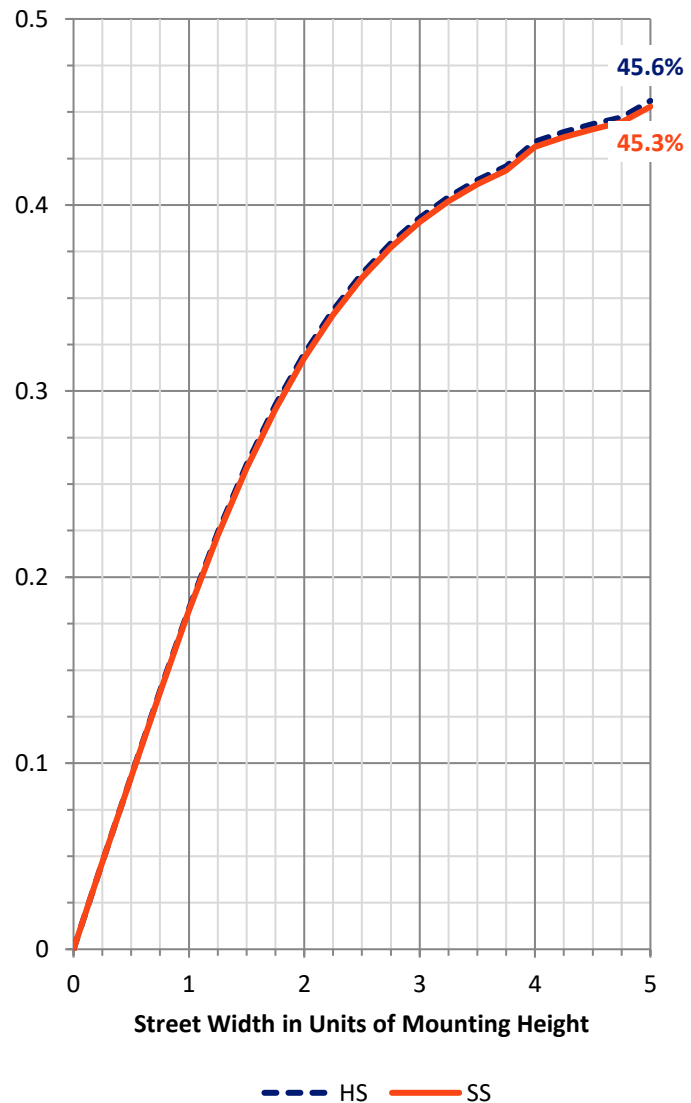
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1426.3	62.1	1488.4
	% Fixture	47.9	2.1	50.0
Street Side	Lumens	1426.3	62.1	1488.4
	% Fixture	47.9	2.1	50.0
Total	Lumens	2852.6	124.2	2976.8
	% Fixture	95.8	4.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.2
10°-20°	22.1	0.7
20°-30°	62.4	2.1
30°-40°	145.5	4.9
40°-50°	271.7	9.1
50°-60°	484.8	16.3
60°-70°	794.8	26.7
70°-80°	743.4	25.0
80°-90°	322.4	10.8
90°-100°	81.4	2.7
100°-110°	23.7	0.8
110°-120°	9.8	0.3
120°-130°	5.2	0.2
130°-140°	2.9	0.1
140°-150°	1.1	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2852.6	95.8
0°-180°	2976.8	100.0

Coefficient of Utilization



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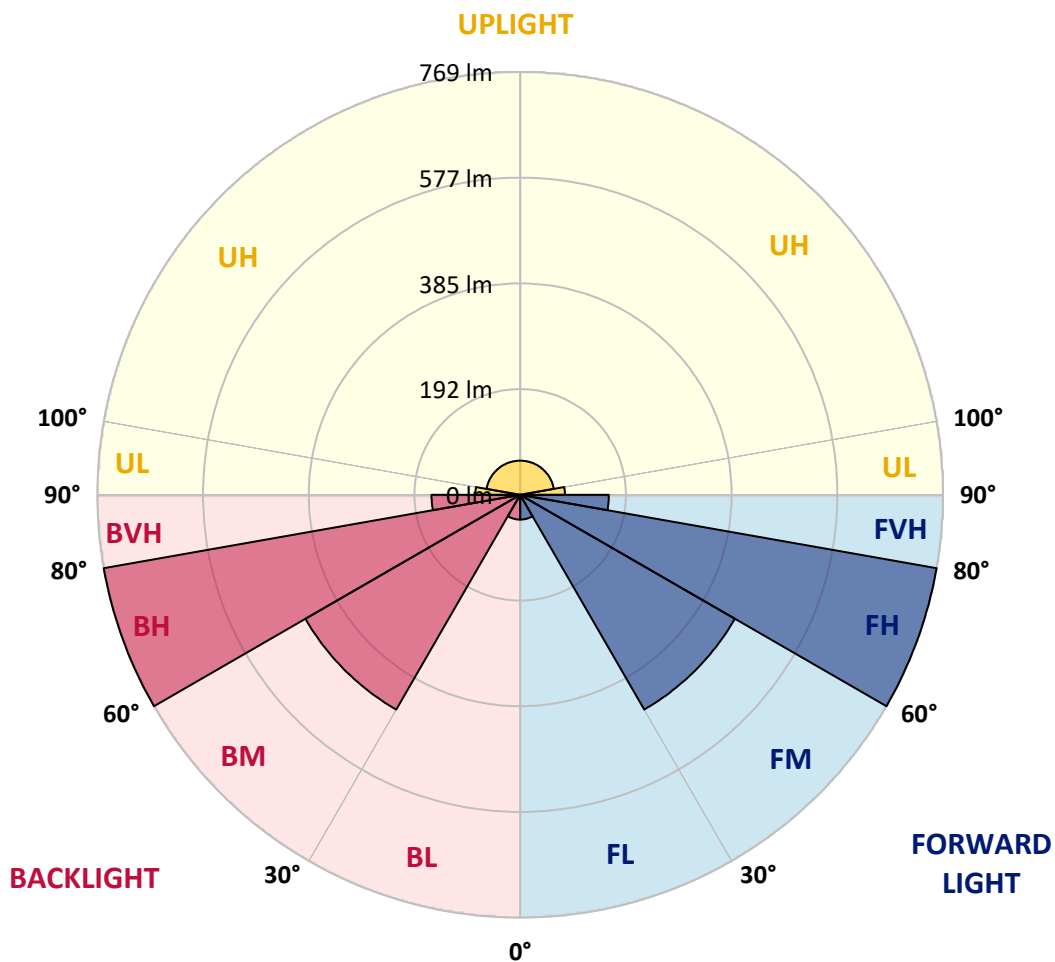
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	45.0	1.5			
FM (30°-60°)	451.0	15.2			
FH (60°-80°)	769.1	25.8			G1/1800
FVH (80°-90°)	161.2	5.4			G2/225
BL (0°-30°)	45.0	1.5	B0/110		
BM (30°-60°)	451.0	15.2	B1/1000		
BH (60°-80°)	769.1	25.8	B2/1000		G1/1800
BVH (80°-90°)	161.2	5.4			G2/225
UL (90°-100°)	81.4	2.7		U3/500	
UH (100°-180°)	62.1	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°	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
2.5°	55.2	55.2	55.2	55.5	55.5	55.5	55.2	55.2	54.8	54.8	54.8
5°	56.1	56.1	56.1	56.1	56.1	56.1	55.9	55.9	55.5	55.5	55.5
7.5°	57.9	57.9	57.9	57.9	57.9	57.5	57.2	56.9	56.9	56.9	56.9
10°	61.5	61.5	61.3	60.8	60.5	59.8	59.8	59.6	59.6	59.6	59.8
12.5°	69.3	69.3	68.4	66.7	64.6	63.9	63.6	64.3	65.2	65.5	66.3
15°	79.4	79.4	78.1	75.4	72.4	69.7	70.2	72.4	74.0	75.0	75.6
17.5°	91.8	91.8	89.8	86.1	81.7	80.0	79.7	82.5	85.1	87.1	88.6
20°	105.6	105.6	102.9	97.9	93.6	92.5	92.2	94.2	98.3	101.2	102.6
22.5°	122.4	122.8	118.8	112.1	107.6	105.6	105.3	107.9	114.4	118.8	120.5
25°	143.3	143.3	139.0	129.5	123.4	120.2	120.8	125.9	134.9	140.9	142.0
27.5°	166.5	165.8	160.2	150.0	141.4	136.3	138.0	145.6	156.8	165.8	167.3
30°	192.4	191.8	183.8	173.0	160.4	154.4	157.2	168.3	183.3	196.2	197.8
32.5°	222.4	221.7	211.6	197.8	181.4	173.3	178.4	194.2	212.7	229.2	231.6
35°	258.4	257.8	244.2	225.0	205.0	195.1	201.8	221.1	242.9	262.8	265.8
37.5°	296.1	296.1	282.0	257.4	230.9	218.6	226.2	248.0	273.9	293.3	296.8
40°	330.3	330.3	316.3	292.4	260.1	243.9	251.6	274.3	297.3	314.9	318.3
42.5°	362.0	363.1	349.9	325.4	290.7	272.1	276.9	296.8	320.6	340.2	343.5
45°	387.3	389.2	381.2	358.0	323.3	301.6	303.2	325.6	353.9	374.5	378.5
47.5°	417.9	418.3	412.5	390.7	358.0	334.1	335.4	362.0	393.0	414.2	416.3
50°	461.3	462.3	457.2	432.4	397.9	371.1	377.8	405.5	443.9	466.3	466.9
52.5°	509.3	510.3	506.7	483.8	444.5	418.6	429.0	460.9	499.0	517.9	517.2
55°	559.9	562.2	564.2	543.0	501.3	474.8	488.9	522.2	557.5	576.1	573.9
57.5°	616.1	617.8	623.2	604.3	566.9	541.0	558.8	592.2	628.2	646.1	642.9
60°	693.1	695.7	700.1	674.3	635.6	615.1	634.6	669.9	706.5	717.3	713.3
62.5°	763.1	766.2	778.2	758.7	708.3	686.8	712.6	746.6	777.3	782.2	775.5
65°	831.4	834.7	851.2	834.4	784.3	753.7	780.9	808.8	837.5	841.2	834.4
67.5°	893.6	902.7	922.6	899.4	842.8	807.8	823.3	845.8	871.0	866.8	858.3
70°	925.7	937.4	957.6	941.5	871.4	818.6	827.0	833.7	845.8	839.8	832.4
71°	919.2	931.4	959.2	944.5	869.7	810.9	813.2	813.5	823.7	810.9	801.7
72.5°	873.4	886.3	925.7	927.6	852.9	788.6	778.2	769.8	764.5	741.6	734.5
75°	731.1	748.0	792.0	817.3	775.5	713.0	694.7	666.5	651.0	624.9	623.2
77.5°	568.9	580.0	623.2	661.5	650.1	609.7	589.2	561.5	545.5	524.9	512.8
80°	423.9	427.7	466.7	510.1	523.3	507.1	491.9	466.9	447.9	428.0	417.5
82.5°	301.6	308.6	344.0	390.9	421.9	422.7	411.9	383.8	362.3	341.5	333.5
85°	203.8	210.9	245.2	295.1	335.1	352.2	341.5	304.9	272.5	248.3	243.4
87.5°	127.9	134.6	159.4	203.8	256.7	283.0	270.5	225.0	188.5	166.1	161.9
90°	83.8	87.9	102.6	131.5	177.0	213.3	199.2	156.8	125.6	105.6	103.7
92.5°	57.9	59.2	68.4	85.1	117.8	147.1	136.6	105.6	82.5	68.4	66.3
95°	41.4	42.7	48.5	58.5	78.7	96.6	90.9	71.7	56.1	46.4	45.0
97.5°	30.6	31.6	36.7	43.4	55.5	64.9	60.8	50.8	41.1	33.6	32.7
100°	23.9	24.3	28.6	33.6	41.4	46.4	43.4	38.0	31.6	26.2	25.6
102.5°	18.9	19.1	22.5	26.6	32.0	35.7	33.2	29.3	24.6	20.9	20.5
105°	14.8	15.1	17.4	21.2	25.6	27.9	26.2	22.8	18.9	16.2	16.2
107.5°	11.8	12.0	13.8	16.8	20.5	22.5	21.2	17.8	14.8	12.8	12.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	9.7	9.7	11.0	13.5	16.8	18.5	17.2	14.2	11.8	10.4	10.2
112.5°	8.1	8.1	9.2	11.0	13.8	15.1	14.2	11.5	9.4	8.4	8.4
115°	6.7	7.0	7.4	9.4	11.8	12.8	11.8	9.7	7.7	7.0	7.0
117.5°	6.1	6.1	6.7	8.1	10.2	11.0	10.2	8.4	6.7	6.4	6.4
120°	5.4	5.4	5.7	6.7	8.8	9.4	8.8	7.0	6.1	5.7	5.7
122.5°	5.0	5.0	5.0	6.1	7.4	8.4	7.7	6.4	5.4	5.0	5.0
125°	4.8	4.8	4.8	5.4	6.7	7.0	6.7	5.7	4.8	4.8	4.8
127.5°	4.8	4.8	4.8	5.0	5.7	6.4	6.1	5.0	4.4	4.4	4.4
130°	4.4	4.4	4.4	4.8	5.0	5.4	5.0	4.8	4.4	4.4	4.4
132.5°	4.0	4.0	4.0	4.0	4.4	4.8	4.4	4.0	4.0	4.0	4.0
135°	3.8	3.8	3.8	3.4	3.8	4.0	3.8	3.4	3.4	3.8	3.8
137.5°	3.4	3.4	3.1	3.1	3.1	3.4	3.1	3.1	3.1	3.1	3.4
140°	3.1	3.1	2.6	2.6	2.6	2.6	2.3	2.3	2.3	2.6	2.6
142.5°	2.6	2.3	2.3	2.1	2.1	2.1	2.1	1.6	2.1	2.3	2.3
145°	2.1	2.1	2.1	1.6	1.6	1.6	1.3	1.3	1.6	1.6	1.6
147.5°	1.6	1.6	1.3	1.3	1.0	1.0	1.0	1.0	1.3	1.3	1.3
150°	1.3	1.3	1.0	1.0	0.7	0.7	0.7	0.7	1.0	1.0	1.0
152.5°	1.0	1.0	0.7	0.7	0.7	0.3	0.3	0.3	0.7	0.7	0.7
155°	0.7	0.7	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)