

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: P255066

Luminaire Tested: **LXF.LXT-AF24-20-D-U-5WQ-TL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255066
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-33)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-20-D-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2517.5 lumens
Efficiency: N/A
Efficacy: 119.9 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): 21
Input Voltage (V): NR
Input Current (A_{in}): 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

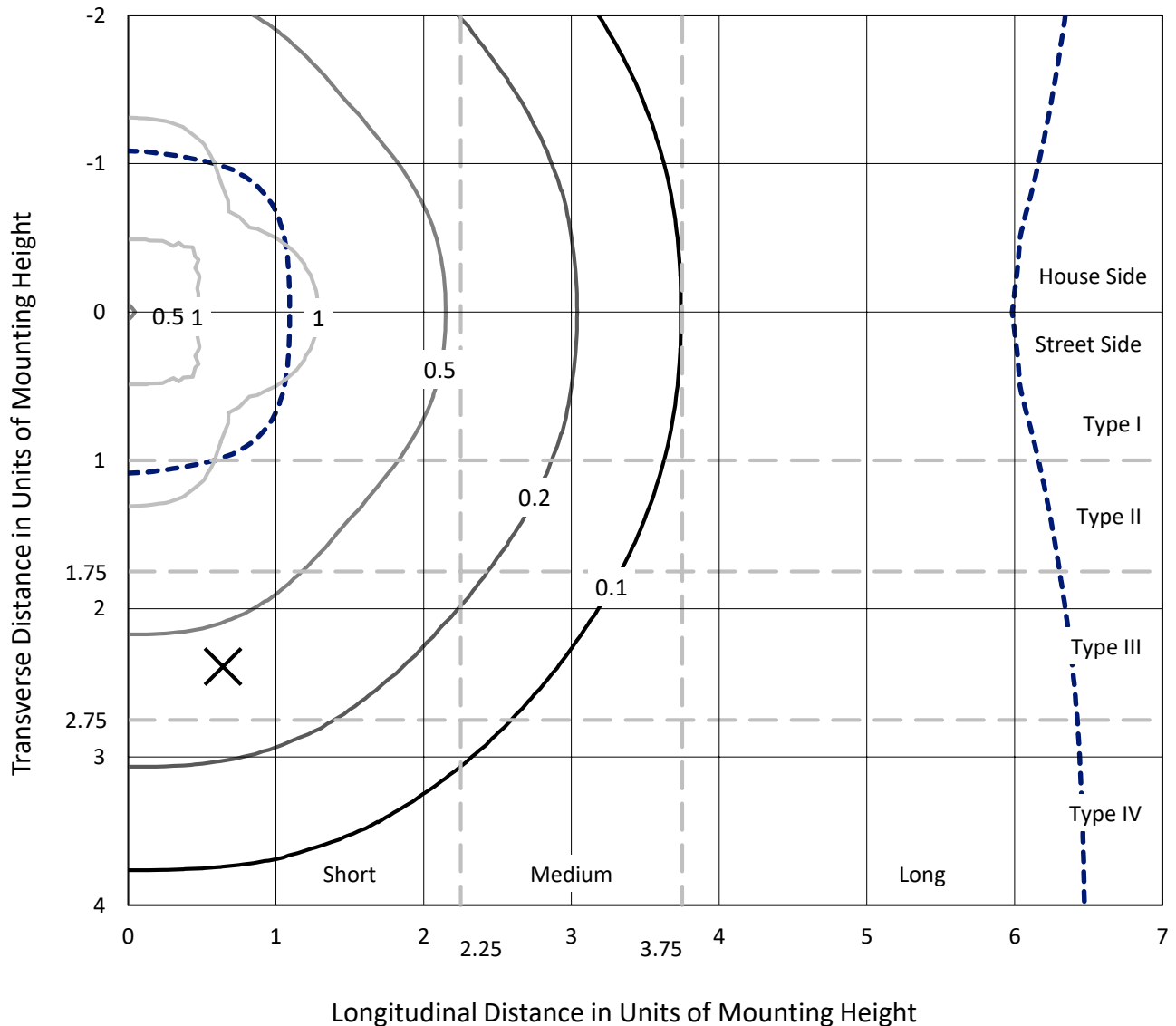


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

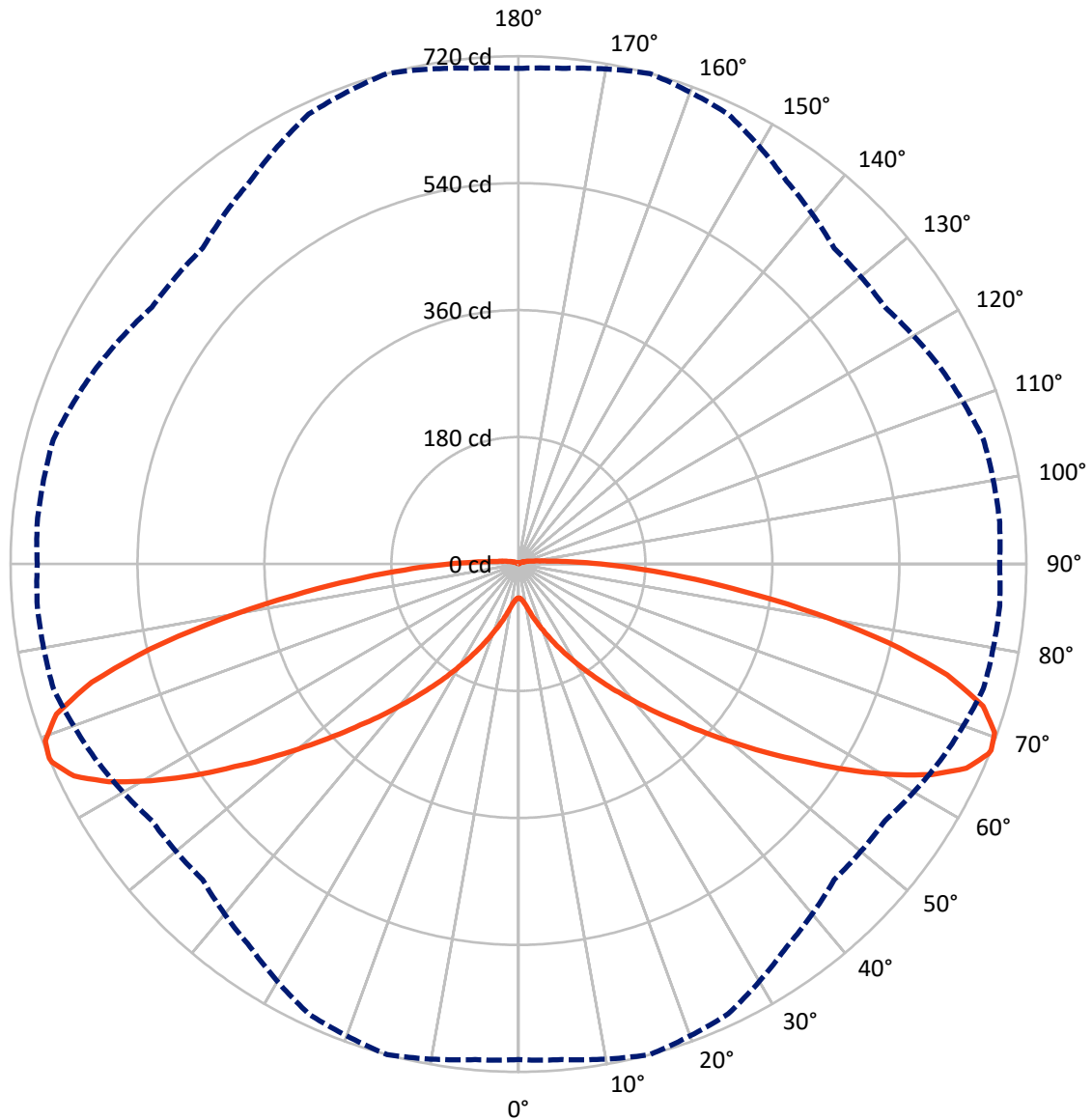


Based on 10 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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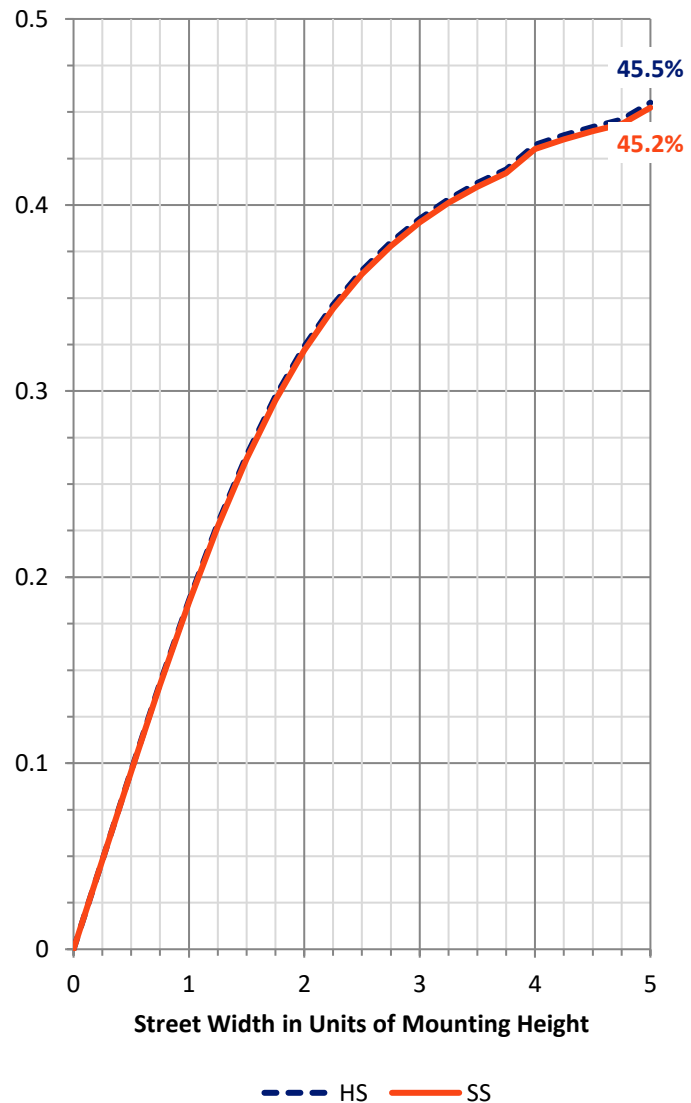
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1208.4	50.4	1258.8
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	1208.4	50.4	1258.8
	% Fixture	48.0	2.0	50.0
Total	Lumens	2416.7	100.8	2517.5
	% Fixture	96.0	4.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.2	0.2
10°-20°	23.0	0.9
20°-30°	60.7	2.4
30°-40°	127.3	5.1
40°-50°	239.0	9.5
50°-60°	422.4	16.8
60°-70°	637.1	25.3
70°-80°	617.5	24.5
80°-90°	284.6	11.3
90°-100°	67.7	2.7
100°-110°	18.9	0.8
110°-120°	7.9	0.3
120°-130°	3.6	0.1
130°-140°	1.7	0.1
140°-150°	0.7	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2416.7	96.0
0°-180°	2517.5	100.0



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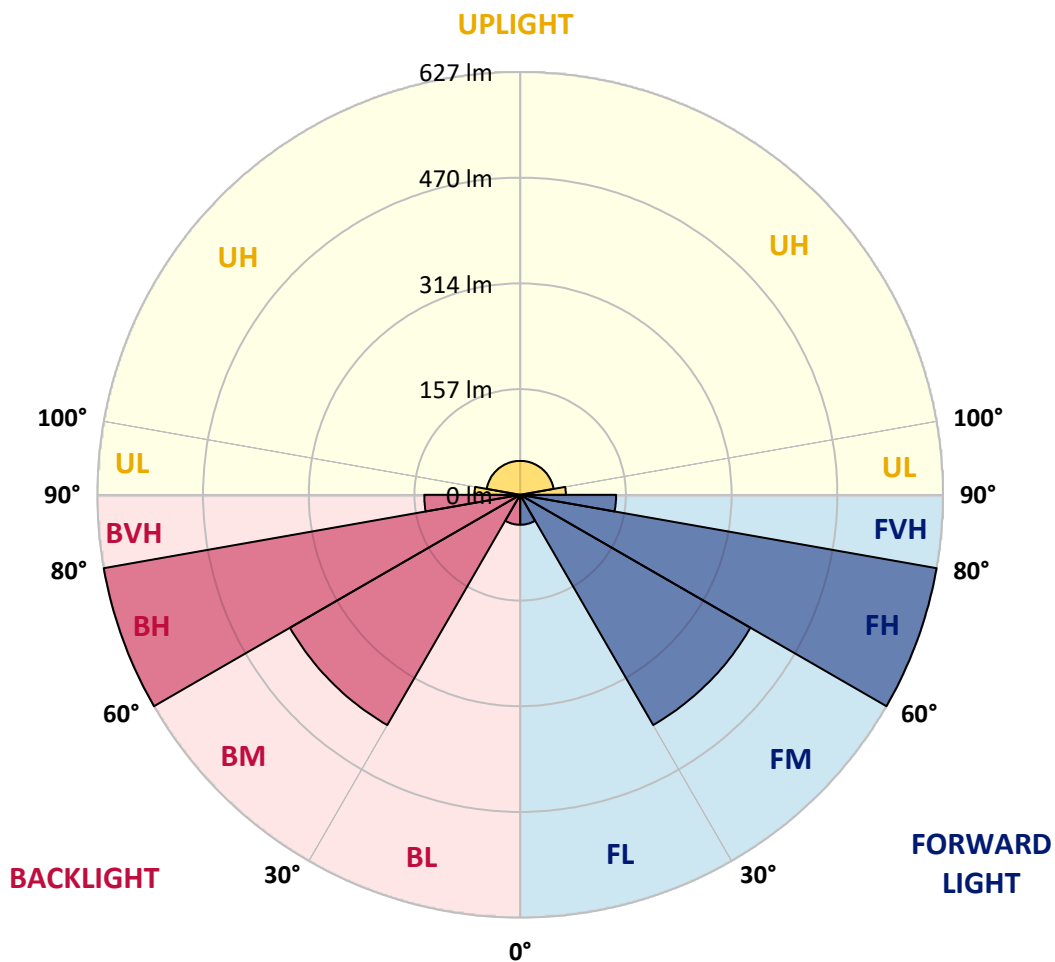
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	44.4	1.8			
FM (30°-60°)	394.4	15.7			
FH (60°-80°)	627.3	24.9			G0/660
FVH (80°-90°)	142.3	5.7			G2/225
BL (0°-30°)	44.4	1.8	B0/110		
BM (30°-60°)	394.4	15.7	B1/1000		
BH (60°-80°)	627.3	24.9	B2/1000		G0/660
BVH (80°-90°)	142.3	5.7			G2/225
UL (90°-100°)	67.7	2.7		U3/500	
UH (100°-180°)	50.4	2.0		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°	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
2.5°	48.8	48.8	48.8	48.8	48.8	49.1	48.8	48.8	48.8	48.8	48.8
5°	50.8	50.8	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.4	51.1
7.5°	54.5	54.5	54.5	54.5	54.5	54.5	54.7	55.0	55.0	55.3	55.3
10°	60.1	60.1	59.8	59.8	59.8	60.1	60.1	60.7	61.0	61.8	61.6
12.5°	68.8	68.8	68.3	67.7	67.5	67.2	67.7	68.8	69.8	71.2	70.9
15°	78.8	78.8	78.3	77.3	77.0	76.8	77.0	78.5	79.9	81.3	81.0
17.5°	89.8	89.5	88.9	87.8	87.8	87.6	87.6	88.9	90.6	92.6	92.6
20°	101.9	101.4	100.6	99.1	99.1	98.8	99.1	100.2	102.8	105.1	105.1
22.5°	115.8	115.2	114.1	112.6	111.8	111.2	111.5	113.2	116.3	119.4	119.7
25°	131.2	130.4	129.3	127.7	125.3	124.2	124.8	127.7	131.6	135.5	134.7
27.5°	147.6	147.4	145.7	143.1	139.7	138.1	139.4	142.9	147.6	151.9	152.2
30°	166.8	166.0	163.8	159.8	156.1	152.7	154.2	158.7	165.2	170.8	171.1
32.5°	186.9	186.6	184.1	178.4	172.3	169.1	170.5	177.1	184.6	190.3	191.4
35°	210.0	209.5	206.6	199.4	191.4	187.2	188.6	196.5	205.8	212.9	213.5
37.5°	235.5	234.1	230.7	221.9	211.8	206.6	208.1	217.1	228.4	235.5	237.1
40°	261.8	261.5	257.5	247.3	234.9	227.8	230.1	240.3	253.3	261.2	262.3
42.5°	292.3	291.6	287.7	275.9	260.6	252.4	254.9	267.1	281.2	289.1	290.5
45°	324.4	325.0	319.6	308.0	290.2	280.9	282.6	296.5	312.0	321.8	322.9
47.5°	361.7	360.8	357.7	343.3	322.9	312.3	314.3	329.5	347.8	357.1	357.7
50°	400.9	400.1	399.0	384.0	360.6	349.5	350.7	367.3	386.0	395.6	398.1
52.5°	444.7	445.0	445.5	429.1	402.9	387.9	390.5	409.4	429.1	437.9	440.2
55°	493.3	493.6	494.7	478.0	448.4	431.7	434.8	455.7	476.9	485.6	486.5
57.5°	547.2	545.7	550.2	530.5	498.1	478.8	482.2	504.0	526.5	535.0	536.7
60°	601.1	599.1	605.4	585.5	548.3	527.4	529.1	554.5	578.8	584.2	587.8
62.5°	646.8	648.9	657.0	637.0	595.8	570.3	573.2	598.8	625.9	631.3	632.2
65°	682.7	685.5	697.7	676.8	635.9	605.4	609.3	635.9	663.8	666.4	665.7
67.5°	701.6	704.2	718.0	700.7	659.3	629.3	631.6	657.2	681.0	683.5	681.0
68°	702.2	705.0	719.6	703.3	662.4	632.7	634.1	659.3	682.1	684.4	681.8
70°	693.7	700.5	715.8	703.6	665.2	637.5	637.8	658.2	679.9	678.2	676.0
72.5°	660.9	666.9	688.3	683.2	651.1	627.4	624.0	638.1	650.8	646.0	644.6
75°	594.3	600.0	627.7	633.3	615.2	598.0	589.8	594.3	594.0	585.3	581.9
77.5°	497.8	505.6	536.1	557.1	551.2	544.1	530.2	523.4	510.8	493.0	487.3
80°	386.8	394.8	427.7	456.8	468.7	469.5	456.8	434.2	408.9	384.5	379.7
82.5°	286.8	295.0	322.7	358.9	374.4	383.4	369.3	340.2	311.7	284.9	280.1
85°	200.5	206.4	234.4	263.7	286.3	296.1	280.6	255.8	227.0	203.9	199.4
87.5°	136.7	140.0	162.0	191.4	212.6	222.2	208.9	184.6	158.1	137.0	132.2
90°	86.6	88.9	105.3	129.9	151.3	159.8	149.4	128.2	103.9	86.6	83.6
92.5°	53.1	54.2	66.4	86.1	104.1	113.8	104.4	85.5	65.8	53.4	51.7
95°	34.7	35.6	42.7	55.3	70.3	77.3	71.2	57.1	43.8	35.6	34.5
97.5°	25.7	26.3	30.5	37.2	46.3	51.7	47.5	39.0	31.3	26.3	25.4
100°	20.0	20.4	23.1	27.4	32.4	35.6	33.3	28.5	23.7	20.0	19.7
102.5°	16.1	16.1	18.6	21.8	24.9	26.5	25.2	22.6	18.6	15.9	15.5
105°	12.7	13.0	14.9	17.8	20.0	21.2	20.4	18.3	14.9	12.4	12.2
107.5°	10.1	10.1	12.2	14.7	17.0	17.8	17.0	15.2	11.9	9.9	9.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	7.9	8.2	9.6	12.2	14.1	14.9	14.1	12.4	9.6	7.9	7.7
112.5°	6.4	6.4	7.7	9.9	11.9	12.4	11.9	9.9	7.7	6.2	6.2
115°	5.3	5.3	6.2	8.2	9.9	10.4	9.9	8.2	6.2	5.1	5.1
117.5°	4.5	4.8	5.3	6.8	8.2	8.5	8.2	6.8	5.1	4.5	4.2
120°	4.0	4.2	4.5	5.6	6.8	7.1	6.4	5.3	4.2	4.0	3.7
122.5°	3.7	3.7	4.0	4.5	5.6	5.9	5.3	4.5	3.7	3.4	3.4
125°	3.4	3.4	3.4	4.0	4.5	4.8	4.5	3.7	3.1	3.1	3.1
127.5°	3.1	3.1	3.1	3.4	4.0	4.0	3.7	3.1	2.9	2.9	2.9
130°	2.9	2.9	2.9	2.9	3.1	3.4	3.1	2.9	2.6	2.6	2.6
132.5°	2.6	2.6	2.6	2.6	2.6	2.9	2.6	2.3	2.3	2.3	2.3
135°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.9	1.9	1.9	1.9
137.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.7	1.7	1.7	1.9	1.9
140°	1.7	1.7	1.7	1.7	1.4	1.4	1.4	1.4	1.7	1.7	1.7
142.5°	1.7	1.7	1.4	1.4	1.1	1.1	1.1	1.1	1.4	1.4	1.4
145°	1.4	1.4	1.1	1.1	1.1	0.8	0.8	1.1	1.1	1.1	1.1
147.5°	1.1	1.1	1.1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	0.8	0.8	0.8	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8
152.5°	0.6	0.6	0.6	0.6	0.6	0.3	0.6	0.6	0.6	0.6	0.6
155°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
157.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
160°	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	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)