

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: P266026

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266026
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-28)
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-FL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2941.5 lumens
Efficiency: N/A
Efficacy: 94.9 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

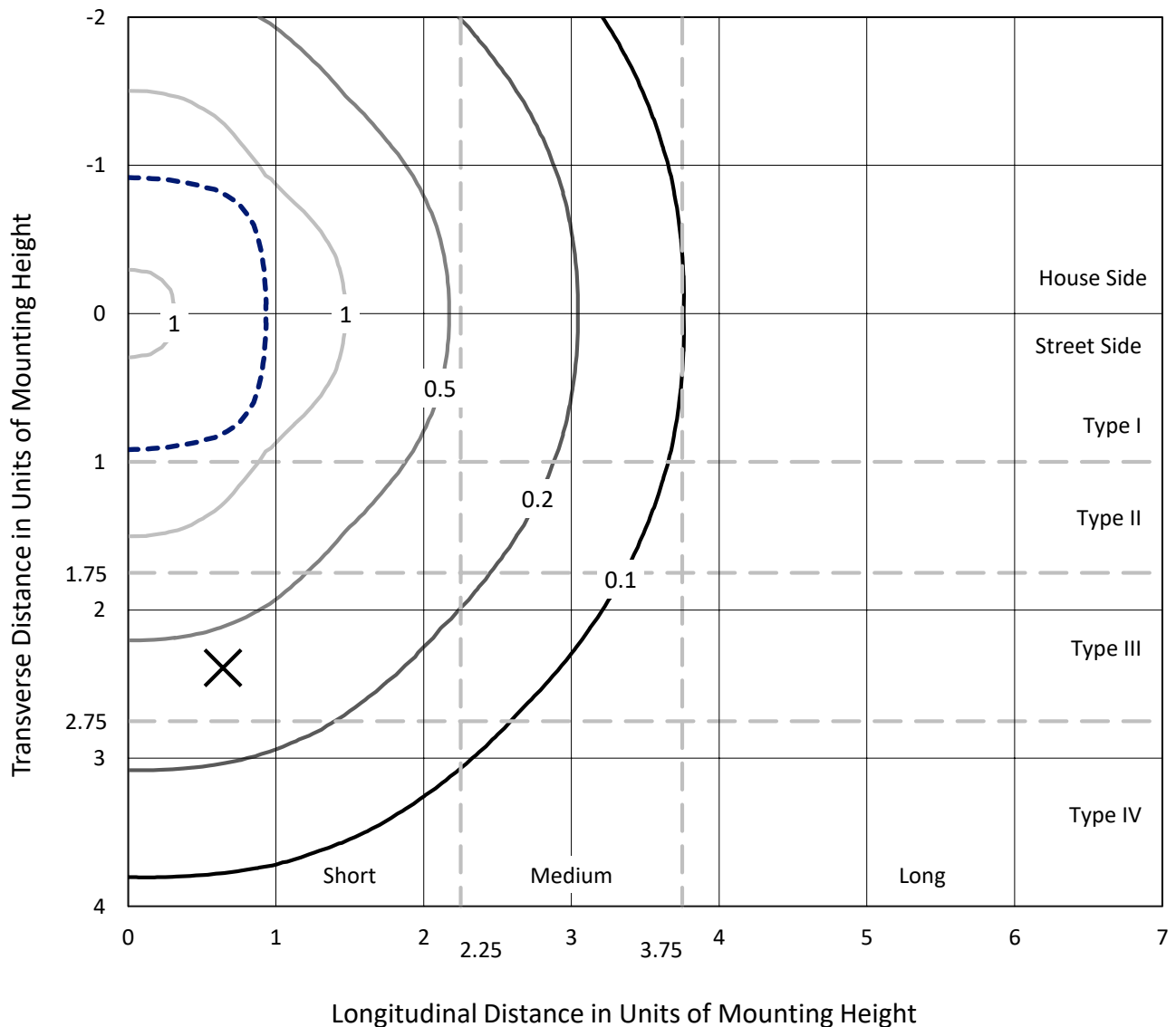




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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

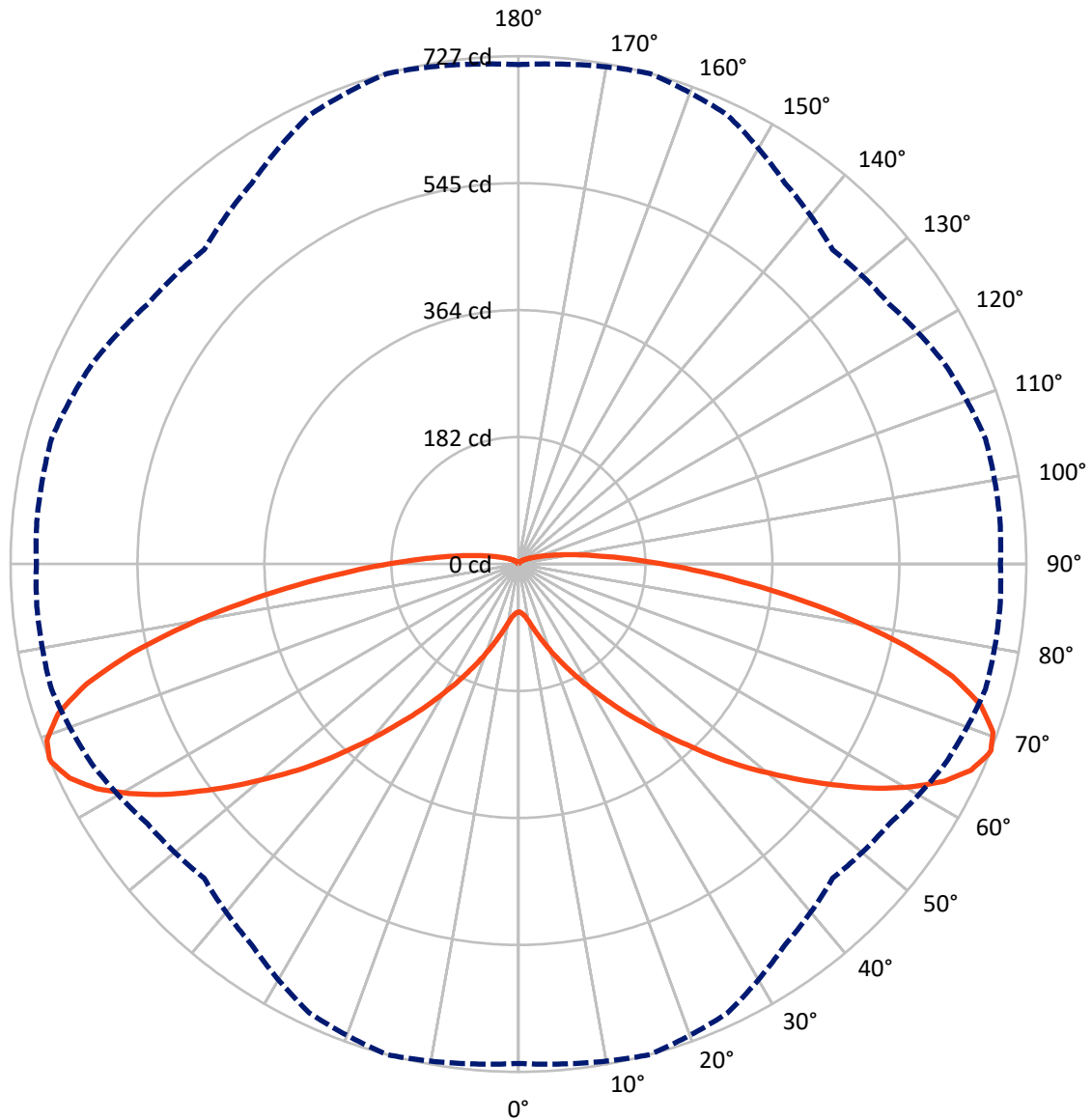


Based on 10 foot mounting height. Maximum calculated value = 1.5 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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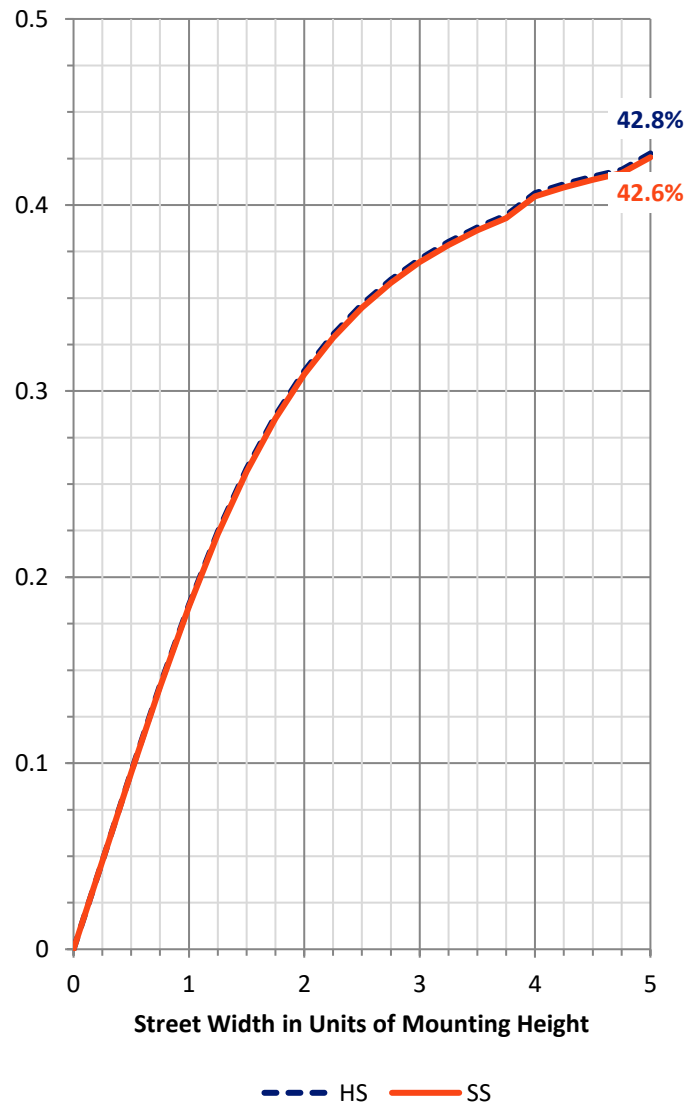
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1347.8	123.0	1470.7
	% Fixture	45.8	4.2	50.0
Street Side	Lumens	1347.8	123.0	1470.7
	% Fixture	45.8	4.2	50.0
Total	Lumens	2695.5	246.0	2941.5
	% Fixture	91.6	8.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.2
10°-20°	30.2	1.0
20°-30°	76.9	2.6
30°-40°	159.7	5.4
40°-50°	291.5	9.9
50°-60°	476.2	16.2
60°-70°	656.9	22.3
70°-80°	634.7	21.6
80°-90°	362.2	12.3
90°-100°	145.8	5.0
100°-110°	57.2	1.9
110°-120°	24.8	0.8
120°-130°	11.4	0.4
130°-140°	5.0	0.2
140°-150°	1.6	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2695.5	91.6
0°-180°	2941.5	100.0



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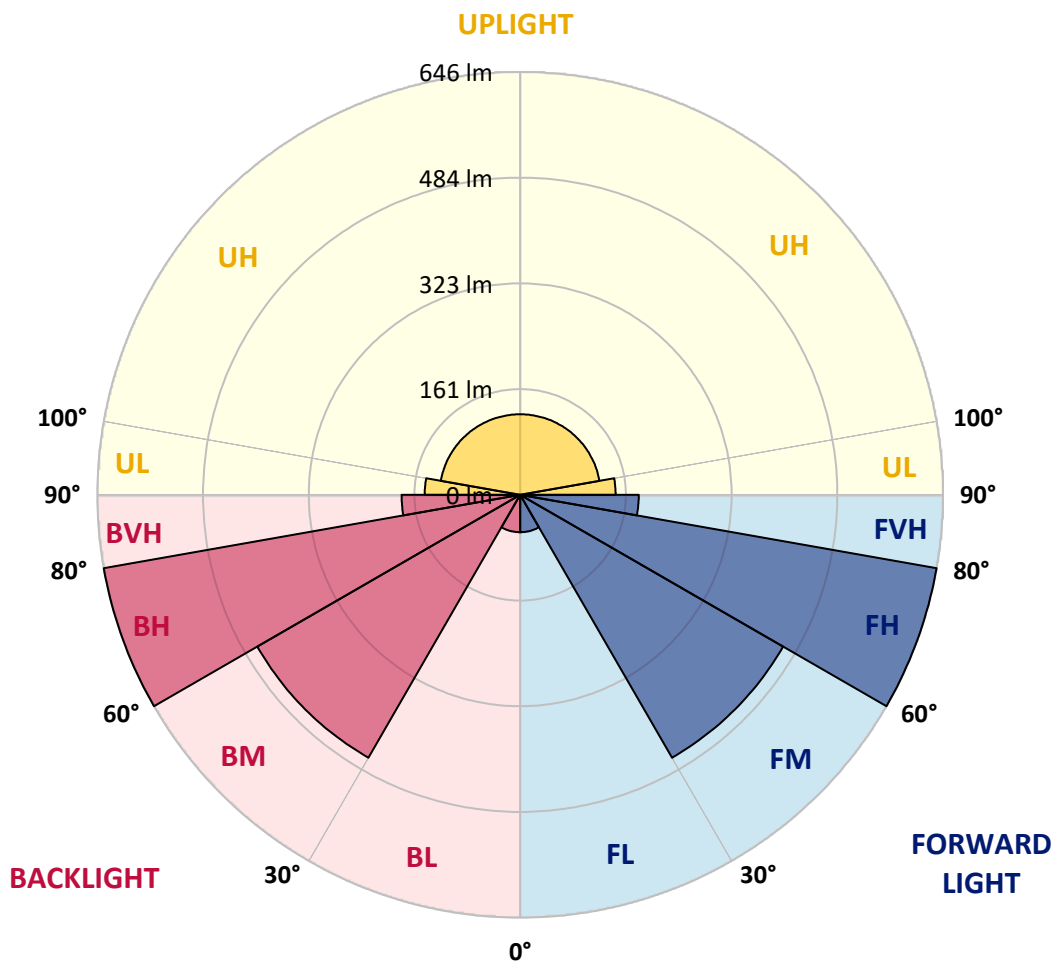
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	57.1	1.9			
FM (30°-60°)	463.7	15.8			
FH (60°-80°)	645.8	22.0			G0/660
FVH (80°-90°)	181.1	6.2			G2/225
BL (0°-30°)	57.1	1.9	B0/110		
BM (30°-60°)	463.7	15.8	B1/1000		
BH (60°-80°)	645.8	22.0	B2/1000		G0/660
BVH (80°-90°)	181.1	6.2			G2/225
UL (90°-100°)	145.8	5.0		U3/500	
UH (100°-180°)	123.0	4.2		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°	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
2.5°	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.3	69.3	69.3
5°	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.0	72.0	72.0	72.0
7.5°	76.6	76.6	76.6	76.6	76.6	76.4	76.4	76.4	76.0	76.0	75.6
10°	84.1	84.1	84.1	83.7	83.5	83.2	83.2	82.7	82.5	82.5	82.0
12.5°	93.9	93.9	93.9	92.2	91.8	91.2	91.2	91.2	91.4	91.4	91.8
15°	105.6	105.6	105.6	103.7	102.2	100.6	101.2	101.6	102.2	102.2	102.5
17.5°	119.0	119.0	118.3	116.4	114.4	113.4	112.6	113.6	114.4	115.1	115.1
20°	133.8	133.8	132.9	130.2	128.2	127.5	126.8	126.8	128.5	129.1	128.5
22.5°	150.7	150.0	149.4	146.1	144.0	142.3	142.3	141.9	144.0	145.3	144.9
25°	169.9	169.2	167.2	163.5	161.2	159.1	158.8	158.8	162.1	164.2	163.9
27.5°	190.7	189.7	187.0	183.1	179.3	176.5	177.0	178.4	181.3	185.1	185.1
30°	213.5	213.0	208.5	204.5	198.4	195.1	195.8	199.6	203.6	207.6	207.9
32.5°	238.9	237.5	232.4	227.1	219.6	215.4	216.6	221.1	227.1	233.1	233.5
35°	266.7	265.4	259.4	252.0	242.5	236.9	238.9	245.5	253.6	260.7	261.0
37.5°	297.0	295.1	287.6	279.9	267.1	260.4	263.7	272.5	281.9	290.1	291.1
40°	328.1	328.1	319.9	309.5	294.0	285.9	289.7	301.4	313.5	321.0	322.6
42.5°	362.6	362.9	353.9	341.4	323.3	313.9	318.2	332.1	346.8	354.9	356.5
45°	398.9	399.9	393.3	375.9	354.9	343.4	348.5	366.0	382.5	390.9	392.2
47.5°	438.1	439.4	433.0	412.9	388.8	376.4	381.8	401.6	420.9	428.9	430.3
50°	479.3	480.4	472.7	452.7	425.8	410.7	417.5	439.7	459.6	467.6	469.6
52.5°	522.2	523.2	515.6	495.9	464.6	447.7	455.8	479.1	501.3	508.4	508.6
55°	565.2	566.6	560.2	538.5	504.9	485.8	494.8	519.4	543.3	550.0	552.1
57.5°	607.6	609.0	606.1	582.0	546.0	524.2	534.5	561.5	584.9	590.4	590.7
60°	647.3	649.7	647.6	623.8	584.6	560.8	572.0	600.2	623.8	628.0	628.8
62.5°	682.3	683.6	684.6	663.0	619.0	593.2	605.5	634.8	657.6	660.3	660.1
65°	706.1	708.9	712.1	691.3	646.9	619.0	631.8	660.3	681.5	683.6	682.3
67.5°	715.2	719.0	726.3	707.8	664.0	634.8	647.3	673.8	692.0	693.0	690.6
68°	715.2	718.6	727.3	709.1	665.7	636.4	648.5	674.8	692.4	692.4	690.3
70°	704.8	709.5	720.9	707.1	666.1	637.8	648.2	670.8	685.5	682.9	679.8
72.5°	671.8	677.2	692.7	684.2	650.6	625.4	632.8	649.3	656.0	650.6	647.6
75°	614.6	620.3	641.5	640.2	616.2	595.4	599.8	607.3	607.3	597.2	591.8
77.5°	542.7	548.0	568.8	577.3	565.8	550.3	550.3	548.7	540.3	523.4	518.7
80°	457.1	461.9	484.0	502.0	499.8	491.2	487.2	476.3	461.5	443.0	436.2
82.5°	371.7	376.7	398.3	416.5	428.2	424.9	417.8	401.1	379.2	358.7	354.7
85°	294.7	296.4	318.9	342.2	355.5	356.9	349.5	328.1	305.5	285.3	280.6
87.5°	229.7	232.1	250.5	274.2	290.6	291.9	284.7	262.8	240.8	222.7	218.6
90°	176.5	180.3	195.1	216.3	232.1	235.4	228.1	208.5	188.0	171.5	168.3
92.5°	136.3	138.6	151.8	169.9	184.3	188.7	181.9	164.7	147.1	132.5	131.2
95°	107.0	107.6	118.0	133.6	145.6	151.4	144.9	130.6	115.1	103.2	102.0
97.5°	82.7	84.1	92.5	105.6	116.7	120.5	115.7	103.7	90.8	79.7	78.7
100°	64.3	65.2	72.7	84.4	93.6	96.8	93.2	83.2	71.3	62.6	62.6
102.5°	51.2	51.5	57.5	67.4	74.6	77.8	75.0	66.7	56.6	49.4	49.8
105°	41.1	41.1	45.8	54.4	61.5	63.6	61.3	53.8	45.0	39.6	39.6
107.5°	33.0	33.2	37.0	44.3	50.8	52.8	50.8	44.0	36.3	32.2	32.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	27.3	27.3	30.0	36.3	42.0	44.0	42.0	36.0	29.6	26.2	26.2
112.5°	22.5	22.5	24.6	30.0	34.9	37.0	34.9	29.6	24.3	21.9	21.9
115°	19.1	19.1	20.5	25.0	29.3	30.9	29.3	25.0	20.2	18.9	18.9
117.5°	16.4	16.4	17.4	20.9	24.6	26.2	24.6	20.5	17.2	16.2	16.2
120°	14.5	14.5	14.8	17.2	20.5	21.9	20.5	17.2	14.5	13.8	13.8
122.5°	12.4	12.4	12.4	14.5	17.2	18.1	16.8	14.5	12.4	12.0	12.0
125°	11.0	10.8	11.0	12.0	14.2	15.5	14.2	12.0	10.8	10.8	10.8
127.5°	9.7	9.7	9.4	10.2	11.8	12.4	11.8	10.2	9.4	9.4	9.4
130°	8.4	8.4	8.4	8.8	9.4	10.2	9.7	8.8	8.4	8.4	8.4
132.5°	7.4	7.4	7.0	7.4	7.7	8.1	7.7	7.0	7.0	7.4	7.4
135°	6.4	6.4	6.4	6.1	6.1	6.4	6.1	6.1	6.4	6.4	6.4
137.5°	5.7	5.7	5.4	5.0	4.8	4.8	4.8	5.0	5.4	5.4	5.7
140°	4.8	4.8	4.4	4.0	3.8	3.8	3.8	4.0	4.4	4.8	4.8
142.5°	4.0	4.0	3.8	3.1	2.6	2.3	2.6	3.1	3.4	3.8	3.8
145°	3.1	3.1	2.6	2.3	2.1	1.6	1.6	2.3	2.6	3.1	3.1
147.5°	2.3	2.3	2.1	1.6	1.3	1.0	1.0	1.6	2.1	2.3	2.3
150°	1.6	1.6	1.3	1.0	0.7	0.7	0.7	1.0	1.3	1.3	1.6
152.5°	1.0	1.0	0.7	0.7	0.3	0.3	0.3	0.7	0.7	1.0	1.0
155°	0.3	0.7	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.7	0.7
157.5°	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
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)