

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: P414294

Luminaire Tested: **LXF.LXT-PA1-20-750-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414294
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-16)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-750-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 260mA 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: 2703 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Medium - 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

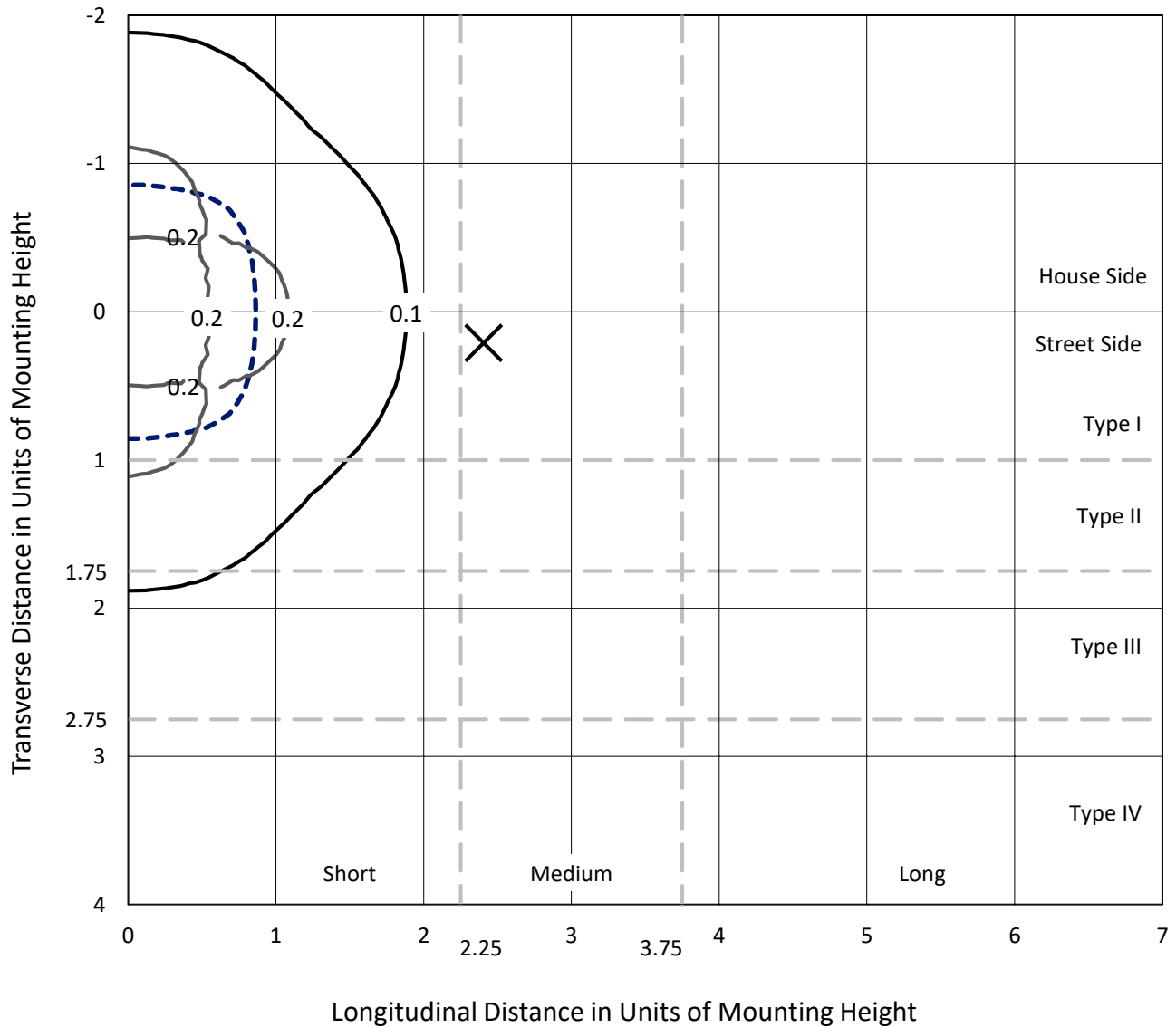


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Iso-Footcandle Lines of Horizontal Illumination

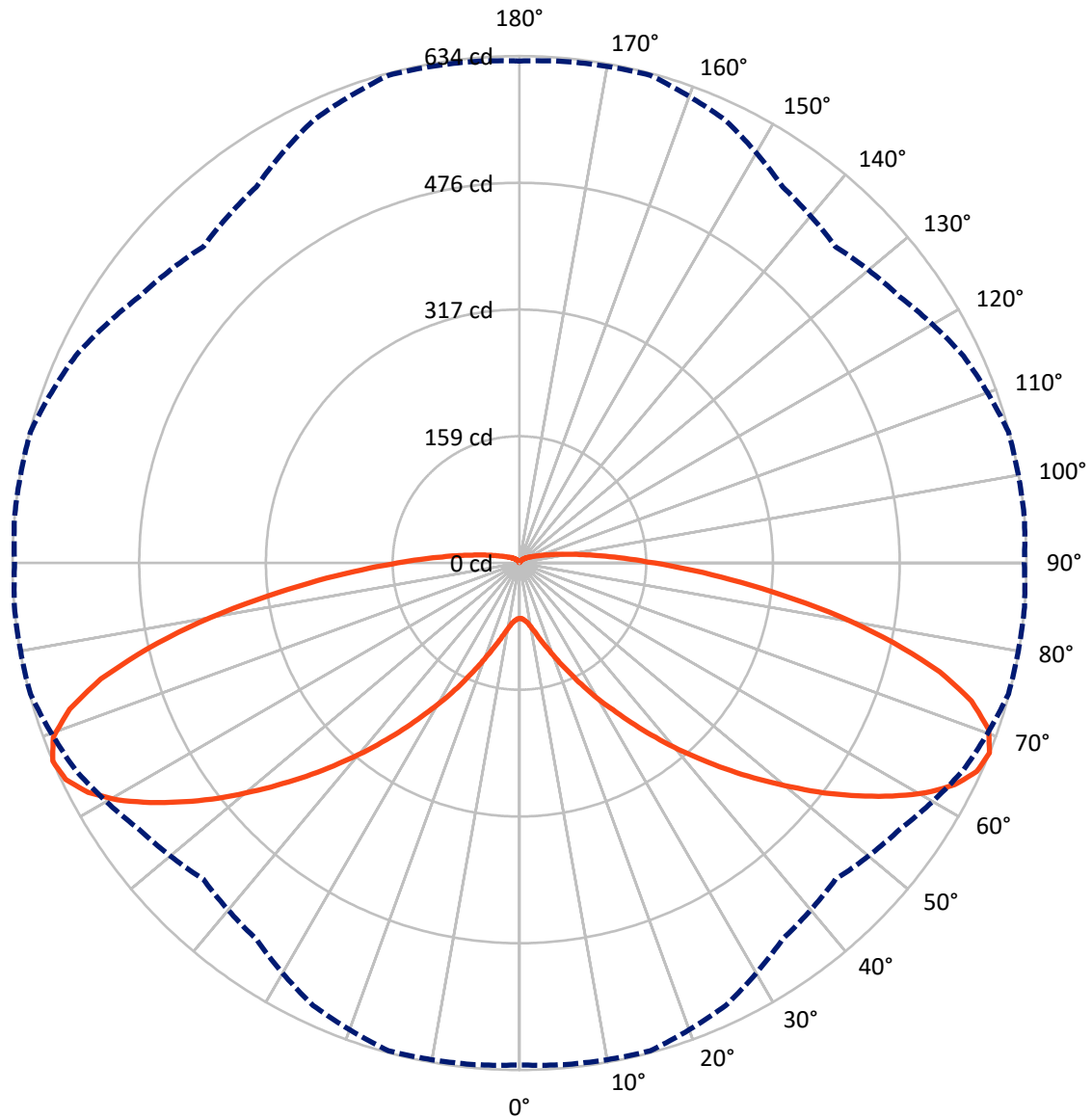
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.2 fc
 Type V - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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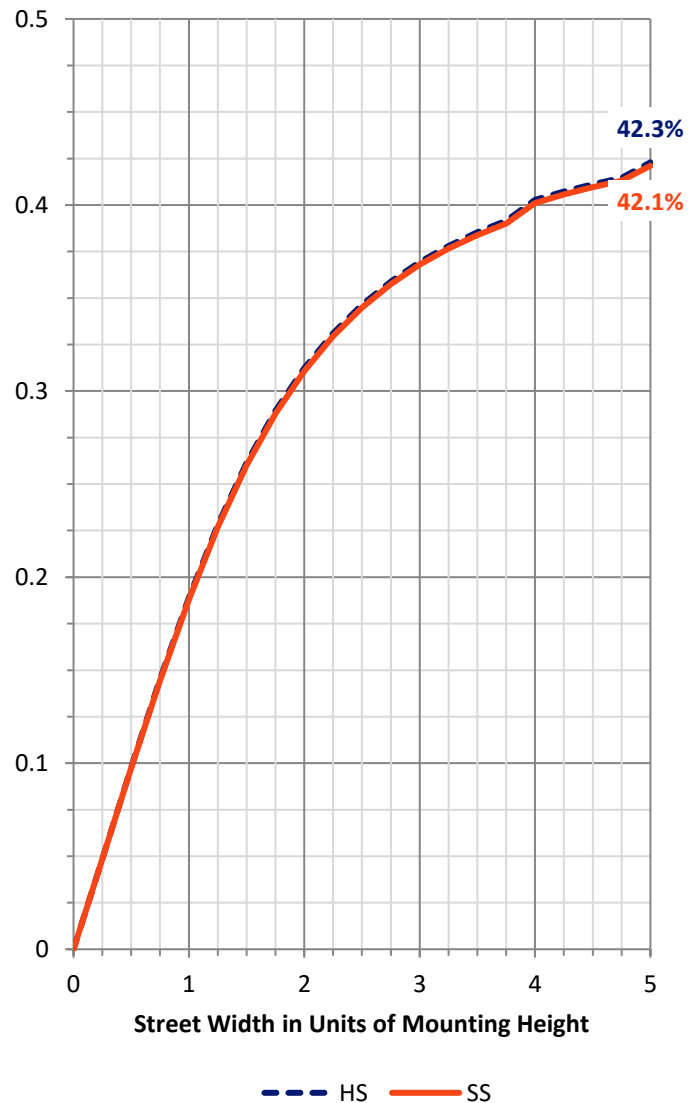
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1225.7	125.8	1351.5
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	1225.7	125.8	1351.5
	% Fixture	45.3	4.7	50.0
Total	Lumens	2451.4	251.6	2703.0
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.3
10°-20°	29.4	1.1
20°-30°	74.3	2.7
30°-40°	152.9	5.7
40°-50°	274.9	10.2
50°-60°	439.4	16.3
60°-70°	588.0	21.8
70°-80°	557.1	20.6
80°-90°	328.1	12.1
90°-100°	141.8	5.2
100°-110°	60.4	2.2
110°-120°	27.8	1.0
120°-130°	13.3	0.5
130°-140°	5.9	0.2
140°-150°	2.0	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2451.4	90.7
0°-180°	2703.0	100.0



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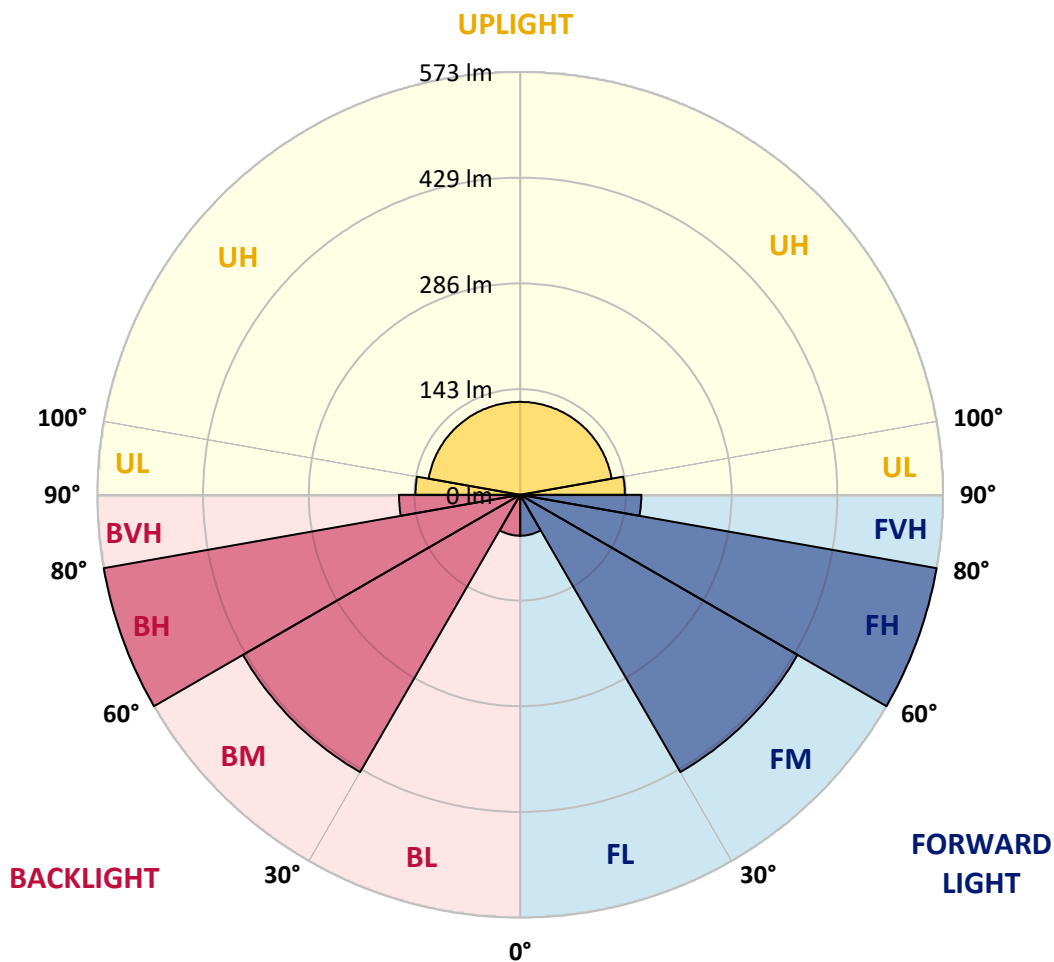
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	55.4	2.1			
FM	(30°-60°)	433.6	16.0			
FH	(60°-80°)	572.5	21.2			G0/660
FVH	(80°-90°)	164.1	6.1			G2/225
BL	(0°-30°)	55.4	2.1	B0/110		
BM	(30°-60°)	433.6	16.0	B1/1000		
BH	(60°-80°)	572.5	21.2	B2/1000		G0/660
BVH	(80°-90°)	164.1	6.1			G2/225
UL	(90°-100°)	141.8	5.2		U3/500	
UH	(100°-180°)	125.8	4.7		U3/500	

BUG Rating: B2-U3-G2

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
2.5°	69.9	69.6	69.9	69.9	70.2	70.2	70.2	70.2	69.9	69.9	69.9
5°	72.3	72.3	72.3	72.3	72.6	72.6	72.6	72.3	72.3	72.3	72.3
7.5°	76.8	76.5	76.8	76.5	76.5	76.2	76.5	76.2	75.9	75.9	75.9
10°	82.6	82.6	82.6	82.3	82.3	82.3	81.7	81.7	81.7	82.0	81.7
12.5°	91.9	91.3	91.3	90.1	89.5	89.2	88.9	88.9	89.8	89.8	89.2
15°	102.8	102.5	102.5	101.0	99.8	97.9	98.2	99.5	99.5	100.1	99.8
17.5°	115.7	115.4	114.5	113.0	111.5	110.3	109.7	110.3	110.9	111.2	111.5
20°	129.9	129.6	128.4	126.9	125.4	124.8	122.7	123.6	124.2	124.8	124.5
22.5°	145.0	145.0	143.8	141.6	140.1	138.9	138.0	137.1	139.2	140.4	140.7
25°	163.3	162.7	160.6	158.2	156.4	155.5	154.3	154.3	155.8	158.2	158.8
27.5°	182.6	182.0	179.0	176.3	173.9	171.8	171.2	172.1	174.8	178.4	178.4
30°	204.0	202.8	200.1	195.9	192.0	189.9	190.5	192.0	195.9	200.1	199.8
32.5°	227.5	225.4	222.4	217.6	211.9	208.8	209.8	214.0	217.9	222.4	223.0
35°	252.5	252.2	247.4	241.1	233.9	229.0	230.8	236.6	242.6	248.9	249.8
37.5°	278.2	279.1	273.3	266.4	255.9	250.1	254.1	262.2	269.7	276.7	277.3
40°	309.5	308.6	302.9	292.6	280.0	273.6	277.0	288.4	298.1	306.8	307.4
42.5°	341.8	339.3	334.5	322.2	305.3	299.6	304.4	317.3	330.3	337.5	337.8
45°	372.2	373.1	367.7	352.9	334.2	325.5	332.4	347.8	362.8	370.7	371.6
47.5°	410.5	408.1	403.2	384.2	363.1	354.4	362.2	380.9	397.5	404.7	404.4
50°	447.8	446.3	439.4	419.5	395.7	385.1	393.0	415.9	434.0	440.3	441.8
52.5°	483.4	482.8	476.8	454.8	429.1	416.2	427.0	450.8	471.6	478.0	478.6
55°	519.9	518.1	513.5	490.6	461.4	446.9	460.5	487.0	508.4	514.4	514.7
57.5°	552.4	553.6	550.0	525.9	492.1	478.3	493.3	522.9	544.6	550.3	551.2
60°	585.0	585.3	582.5	559.0	523.2	507.5	525.0	555.7	578.9	584.1	584.4
62.5°	610.6	611.2	609.1	583.4	547.6	532.5	551.8	583.8	607.6	611.2	610.9
65°	626.2	628.1	626.8	603.6	565.4	551.5	571.7	605.1	626.8	629.0	628.1
67.5°	628.1	630.2	632.0	610.9	574.4	559.6	581.0	613.0	633.5	634.4	631.7
70°	614.8	616.9	621.1	603.6	569.9	557.5	578.0	606.7	623.8	622.6	619.6
72.5°	580.7	585.3	591.6	579.8	551.5	541.3	561.4	584.4	596.1	591.6	587.4
75°	531.9	536.4	548.5	541.9	520.2	514.4	529.5	546.7	550.0	543.4	537.6
77.5°	472.5	478.3	489.4	494.5	480.1	474.4	487.0	496.1	492.4	478.0	473.8
80°	403.2	412.3	424.0	432.2	428.5	426.7	433.1	432.2	418.9	407.5	400.2
82.5°	339.9	341.8	359.8	370.1	371.3	371.9	373.7	362.8	347.5	332.1	325.5
85°	277.9	278.5	293.5	308.3	314.0	315.8	312.5	298.1	282.1	264.9	260.4
87.5°	222.7	223.6	236.9	251.9	261.9	263.1	256.8	242.6	222.7	207.3	203.4
90°	176.0	179.0	192.3	204.6	215.2	217.0	207.9	192.9	174.5	159.7	157.3
92.5°	140.7	142.2	154.3	165.8	175.7	176.0	169.7	154.3	138.0	124.8	121.8
95°	113.0	114.2	123.9	134.4	142.5	144.4	137.1	123.6	108.5	97.0	96.4
97.5°	90.1	91.6	99.2	110.3	116.3	117.5	112.7	100.1	86.2	75.9	75.9
100°	72.3	73.2	79.9	89.2	95.5	96.7	91.9	80.8	68.7	59.7	59.1
102.5°	58.8	59.4	64.8	73.2	79.0	80.2	75.9	66.9	55.2	47.9	47.6
105°	48.2	48.5	52.7	60.6	66.0	66.9	63.0	55.2	44.6	38.6	38.3
107.5°	39.5	39.8	43.1	50.3	55.5	56.4	53.0	45.2	36.2	31.9	31.3
110°	33.2	33.5	35.9	41.6	46.7	47.9	44.6	37.7	29.8	26.2	26.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	28.0	28.3	30.1	35.0	39.5	41.0	37.7	31.3	25.0	22.3	22.0
115°	23.8	24.1	25.3	29.5	33.2	34.4	31.9	26.2	21.1	19.0	19.0
117.5°	20.8	21.1	21.7	25.0	28.3	29.2	26.8	22.0	17.8	16.6	16.6
120°	18.4	18.4	18.7	21.1	23.8	24.7	22.6	18.7	15.4	14.5	14.5
122.5°	16.0	16.0	16.3	18.1	20.2	20.8	19.0	15.7	13.3	13.0	12.7
125°	14.2	14.2	14.2	15.4	17.2	17.5	16.0	13.3	11.8	11.5	11.5
127.5°	12.4	12.4	12.4	13.0	14.2	14.5	13.3	11.2	10.2	9.9	9.9
130°	10.8	10.8	10.8	11.2	11.8	12.1	10.8	9.6	9.0	9.0	9.0
132.5°	9.6	9.6	9.3	9.3	9.6	9.6	9.0	8.1	7.8	7.8	7.8
135°	8.4	8.4	8.1	7.8	7.8	7.5	6.9	6.6	6.9	6.9	6.9
137.5°	7.2	7.2	6.9	6.6	6.3	6.0	5.7	5.4	5.7	6.0	6.0
140°	6.0	6.0	5.7	5.1	4.8	4.5	4.2	4.5	4.8	5.1	5.1
142.5°	4.8	4.8	4.8	4.2	3.6	3.3	3.3	3.6	3.9	4.2	4.2
145°	3.9	3.9	3.6	3.3	2.7	2.4	2.4	2.7	3.3	3.3	3.3
147.5°	3.0	3.0	2.7	2.4	1.8	1.5	1.8	2.1	2.4	2.7	2.7
150°	2.1	2.1	2.1	1.8	1.2	1.2	1.2	1.5	1.8	1.8	1.8
152.5°	1.2	1.2	1.2	1.2	0.9	0.6	0.9	1.2	1.2	1.2	1.2
155°	0.9	0.9	0.9	0.9	0.6	0.6	0.6	0.9	0.9	0.9	0.9
157.5°	0.3	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
160°	0.0	0.0	0.3	0.3	0.6	0.6	0.6	0.6	0.3	0.3	0.3
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)