

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: P416089

Luminaire Tested: **LXF.LXT-PA1-60-827-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416089
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-29)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-827-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4054 lumens
Efficiency: N/A
Efficacy: 63.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

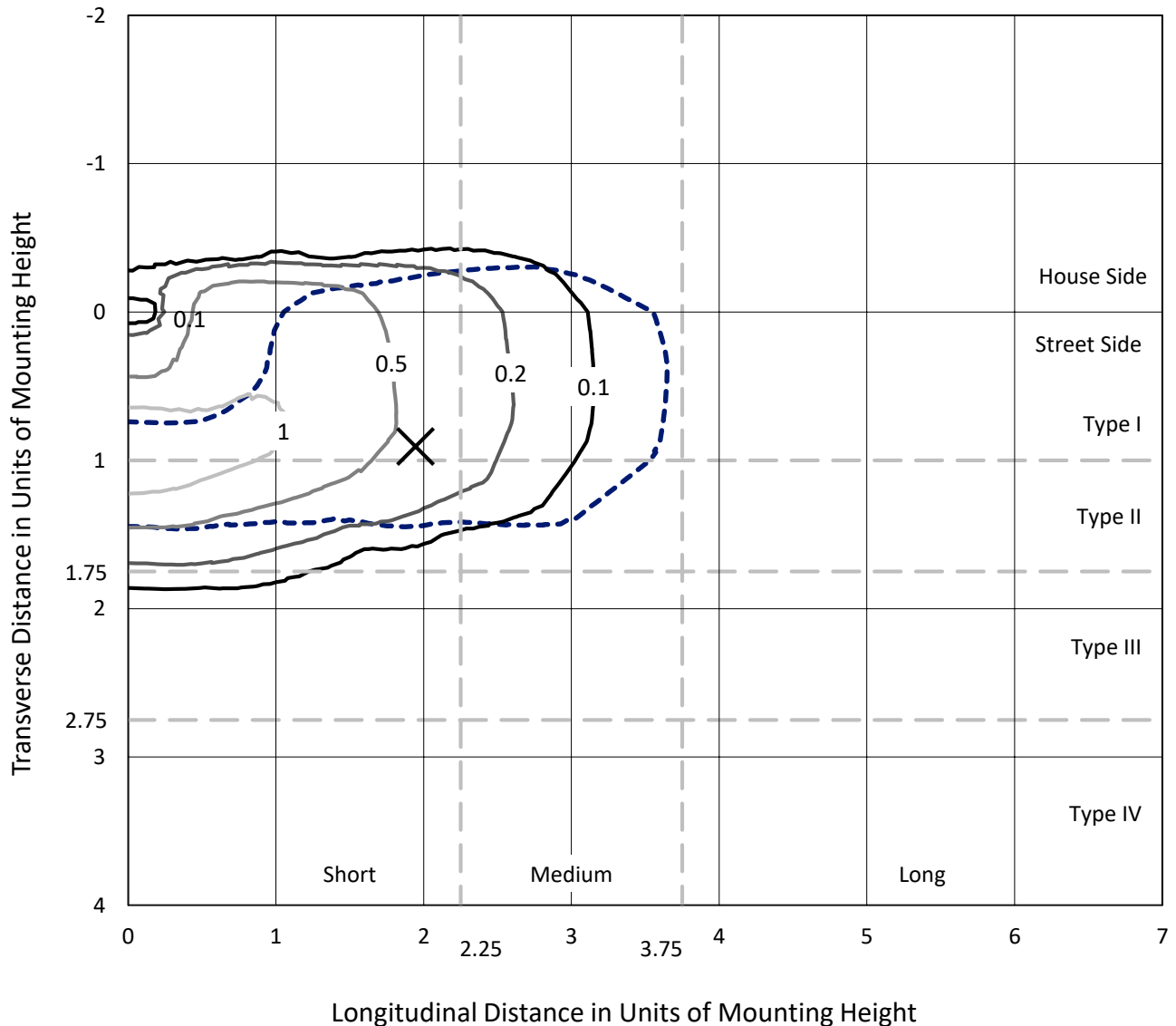
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416089
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

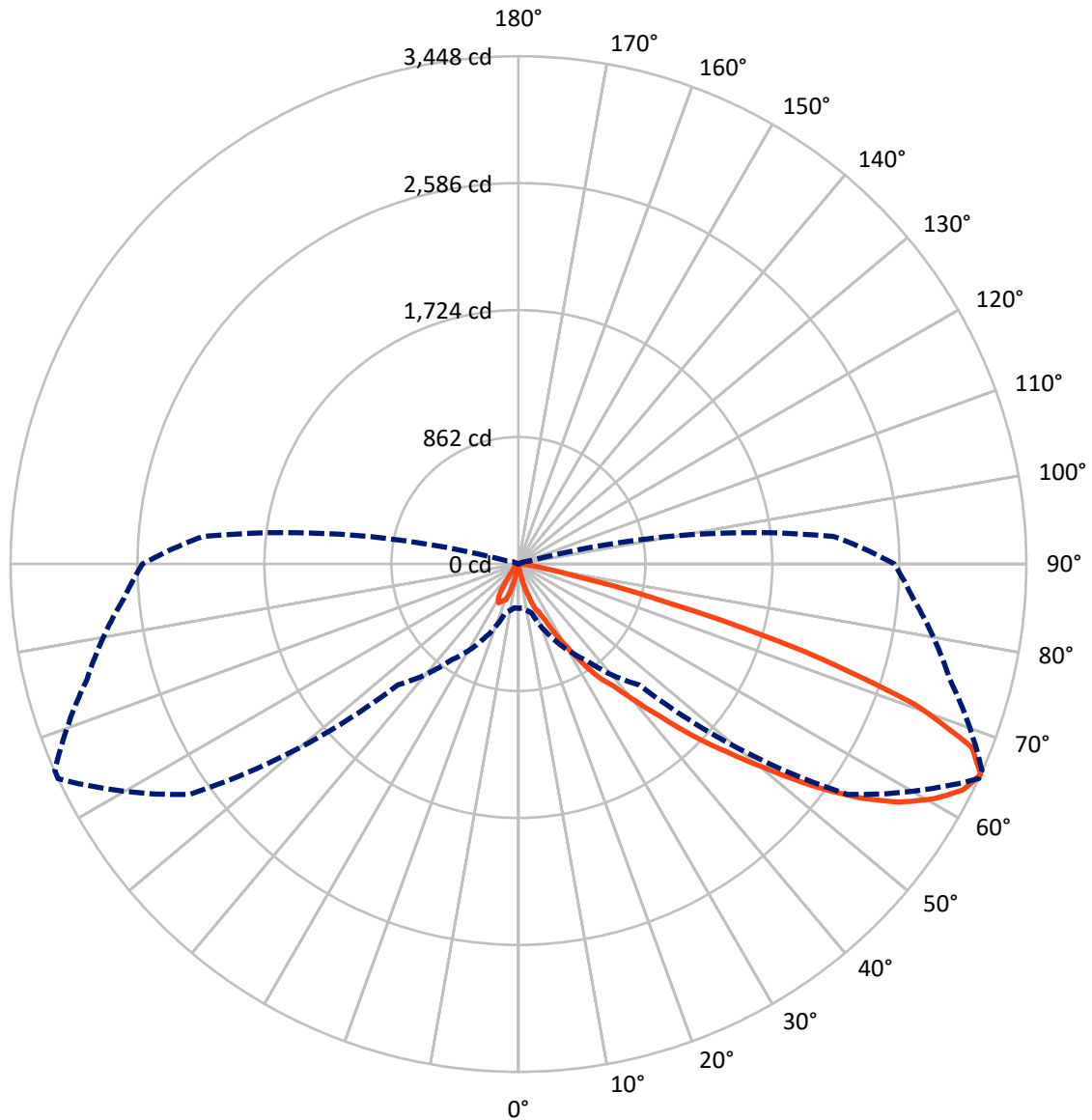


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Short - Full Cutoff

REPORT NUMBER: P416089

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T2U-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P416089

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T2U-HSS

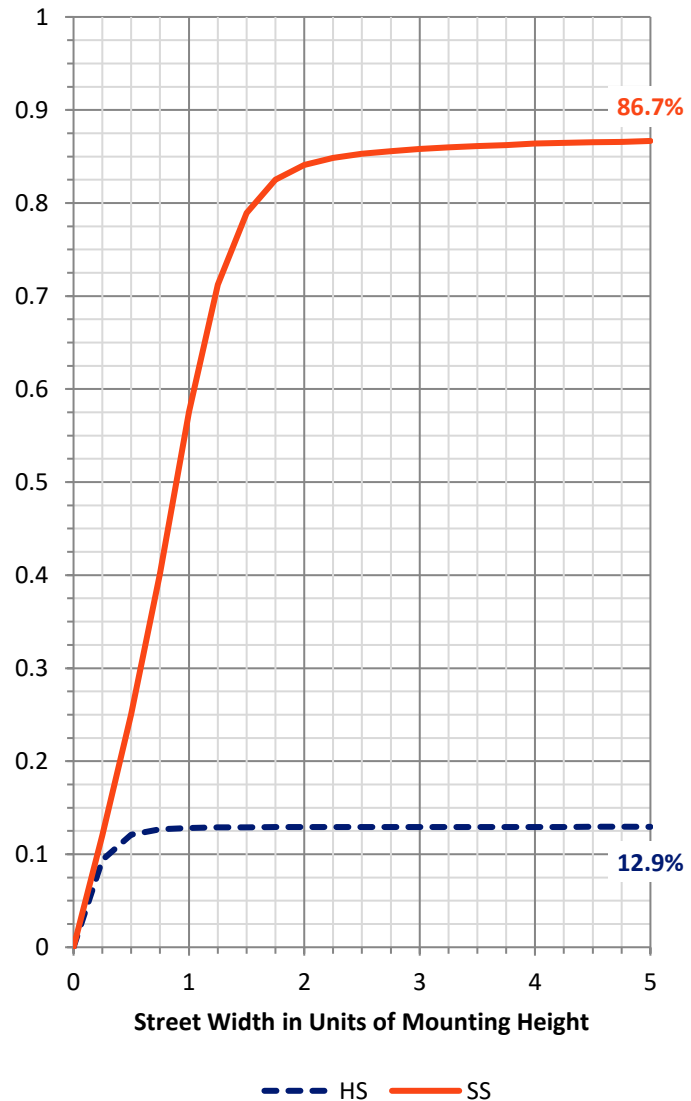
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	531.9	0.0	531.9
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	3522.1	0.0	3522.1
	% Fixture	86.9	0.0	86.9
Total	Lumens	4054.0	0.0	4054.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.1
10°-20°	42.1	1.0
20°-30°	143.0	3.5
30°-40°	402.2	9.9
40°-50°	892.5	22.0
50°-60°	1196.7	29.5
60°-70°	953.4	23.5
70°-80°	392.8	9.7
80°-90°	28.1	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4054.0	100.0
0°-180°	4054.0	100.0



REPORT NUMBER: P416089

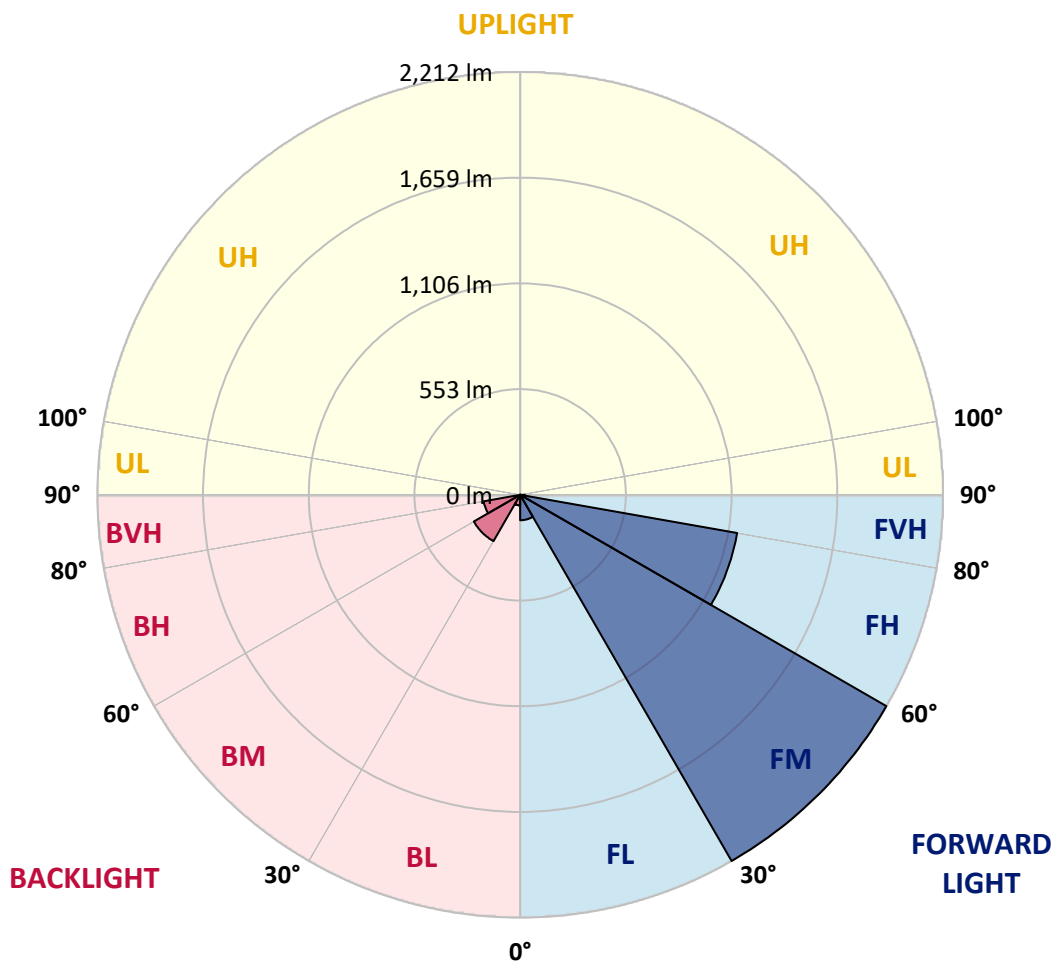
CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	133.0	3.3			
FM (30°-60°)	2211.7	54.6			
FH (60°-80°)	1152.4	28.4			G1/1800
FVH (80°-90°)	25.0	0.6			G1/100
BL (0°-30°)	55.3	1.4	B0/110		
BM (30°-60°)	279.7	6.9	B1/1000		
BH (60°-80°)	193.8	4.8	B1/500		G1/500
BVH (80°-90°)	3.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P416089

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	0.6	0.6	0.6	1.8	1.8	1.8	1.8	1.2	1.2	1.2	1.2
5°	17.4	16.2	12.0	6.6	3.6	2.4	1.8	1.2	1.2	1.2	1.2
7.5°	121.1	120.5	120.5	121.7	122.3	43.8	4.2	1.8	1.8	1.2	1.2
10°	116.3	115.7	115.7	117.5	119.3	119.9	115.1	3.0	2.4	1.2	1.2
12.5°	217.1	213.5	136.1	119.3	116.3	117.5	118.1	101.9	47.4	73.2	90.6
15°	217.7	215.9	217.7	220.7	176.3	122.9	179.3	175.1	175.1	128.9	176.9
17.5°	220.1	217.7	218.9	223.1	216.5	254.3	239.9	248.3	248.3	183.5	195.5
20°	325.0	324.4	329.2	241.1	269.3	315.4	261.5	320.8	326.8	272.9	282.4
22.5°	331.6	331.0	338.8	337.6	330.4	338.8	382.6	351.4	353.2	412.6	373.0
25°	461.7	451.0	365.8	359.2	434.2	402.4	458.7	423.4	419.8	498.9	473.1
27.5°	528.3	523.5	528.9	512.7	459.9	493.5	496.5	545.1	520.5	571.5	582.9
30°	642.2	645.2	618.3	591.3	602.7	572.7	597.3	662.6	659.6	647.6	735.2
32.5°	1025.4	994.3	941.5	732.8	686.6	665.0	733.4	807.2	777.2	821.5	909.1
35°	1357.1	1287.5	1199.9	1051.2	852.7	795.2	878.5	951.1	932.5	1021.8	1016.4
37.5°	1910.0	1877.6	1725.9	1346.3	1148.4	991.9	1032.0	1049.4	1071.0	1173.0	1170.6
40°	2236.8	2199.6	2092.3	1791.8	1449.4	1230.5	1213.1	1222.1	1229.3	1331.9	1339.1
42.5°	2511.4	2494.6	2390.3	2102.4	1822.4	1617.3	1454.8	1419.4	1432.6	1536.4	1522.6
45°	2697.9	2678.1	2584.0	2383.1	2151.0	2045.5	1735.4	1666.5	1670.1	1727.7	1716.9
47.5°	2738.7	2715.3	2673.3	2561.8	2483.2	2397.5	2086.9	1905.2	1945.9	1948.9	1912.4
50°	2593.6	2564.8	2600.2	2573.8	2693.7	2736.9	2442.5	2183.4	2253.6	2189.4	2088.1
52.5°	2234.4	2243.4	2352.5	2432.3	2701.5	2974.4	2824.4	2502.4	2549.8	2387.9	2254.2
55°	1774.4	1796.6	1977.1	2123.4	2518.0	3040.9	3100.9	2798.1	2816.7	2599.0	2388.5
57.5°	1306.7	1336.7	1558.5	1721.7	2162.4	2897.6	3236.4	3049.3	3085.9	2751.3	2482.0
60°	804.2	831.7	1083.0	1331.3	1659.9	2485.6	3254.4	3237.6	3279.6	2858.6	2576.2
62.5°	489.9	513.3	623.1	924.7	1192.7	1878.8	3104.5	3382.1	3403.1	2967.2	2643.9
65°	301.6	297.4	341.8	561.9	795.8	1161.6	2725.5	3447.5	3445.1	3032.5	2689.5
67.5°	199.7	203.3	220.1	308.8	542.1	627.9	1954.3	3319.2	3307.2	3064.3	2671.5
70°	176.9	178.1	194.9	218.9	390.4	365.8	986.5	2857.4	2840.6	2978.6	2559.4
72.5°	138.5	142.7	170.3	198.5	281.8	268.1	371.8	2023.9	2045.5	2531.8	2252.4
75°	98.3	101.3	128.9	173.3	210.5	205.1	209.9	1043.4	1107.0	1680.9	1650.3
77.5°	61.8	64.2	83.4	128.3	178.7	151.1	146.9	409.6	458.7	822.1	825.7
80°	42.6	43.2	51.6	86.4	128.3	124.1	99.5	163.7	165.5	298.0	286.0
82.5°	25.2	25.2	34.2	53.4	78.6	101.3	64.2	82.2	85.2	110.3	63.0
85°	9.0	9.6	18.6	30.6	43.8	53.4	38.4	45.0	46.8	57.0	30.0
87.5°	0.6	1.2	6.0	9.6	12.0	10.8	12.6	13.8	15.6	18.6	10.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P416089

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	1.2	1.2	1.8	1.8	1.8	1.2	0.6	0.6	0.6	0.6	0.6
5°	1.2	1.2	1.8	1.8	1.8	1.2	0.6	0.6	0.6	0.6	0.6
7.5°	1.2	1.2	1.8	1.8	1.8	1.2	16.8	93.5	97.7	100.7	101.3
10°	3.6	2.4	1.8	1.8	1.8	97.1	100.7	98.3	96.5	94.7	95.3
12.5°	91.7	91.7	83.4	54.0	90.6	99.5	94.1	88.2	83.4	78.0	78.6
15°	176.3	175.1	154.7	133.1	152.3	97.7	81.0	107.3	91.7	81.0	79.2
17.5°	196.1	190.1	166.1	212.3	188.9	111.5	93.5	63.6	45.6	41.4	40.8
20°	282.4	274.6	242.3	257.3	172.7	128.9	56.4	36.0	32.4	39.0	40.2
22.5°	363.4	352.6	302.8	266.3	194.3	79.2	39.6	39.6	39.0	37.8	37.2
25°	467.1	448.0	406.0	278.8	154.1	52.2	43.2	35.4	31.8	29.4	29.4
27.5°	573.9	548.1	465.3	296.8	101.3	48.6	38.4	30.0	31.8	30.6	30.6
30°	729.8	694.4	542.1	277.6	66.0	45.0	32.4	29.4	25.8	24.6	24.0
32.5°	891.1	826.3	617.7	241.7	52.2	38.4	30.0	24.0	23.4	24.0	24.0
35°	994.3	933.7	699.2	175.7	45.6	33.6	24.6	22.2	20.4	19.8	19.8
37.5°	1117.8	1042.8	706.4	113.9	39.6	27.6	21.0	18.6	18.6	19.2	19.2
40°	1265.9	1183.8	677.6	70.2	34.2	22.8	18.0	16.8	16.2	16.2	16.2
42.5°	1432.0	1328.3	637.5	52.8	28.8	19.2	15.0	14.4	13.8	13.8	13.8
45°	1609.5	1474.0	582.3	43.8	24.0	16.2	12.6	12.0	12.0	11.4	11.4
47.5°	1793.6	1629.9	498.9	38.4	19.8	13.2	10.8	10.2	9.6	9.6	9.6
50°	1951.3	1772.6	397.0	33.0	16.8	11.4	8.4	7.8	7.8	7.2	7.2
52.5°	2094.7	1893.8	314.8	28.2	13.8	9.0	6.6	6.0	6.0	5.4	5.4
55°	2205.0	1983.7	235.1	23.4	11.4	7.2	4.8	4.2	4.2	3.6	4.2
57.5°	2297.9	2038.9	178.1	19.2	9.6	5.4	3.6	3.0	2.4	2.4	2.4
60°	2386.1	2083.3	131.3	15.0	7.8	4.2	2.4	1.8	1.2	1.2	1.2
62.5°	2480.8	2122.8	103.7	12.0	6.6	3.0	1.2	1.2	0.0	0.0	0.0
65°	2552.2	2147.4	80.4	9.6	5.4	1.8	1.2	0.6	0.0	0.0	0.0
67.5°	2554.6	2116.2	63.0	7.8	4.8	1.8	0.6	0.0	0.0	0.0	0.0
70°	2462.8	1983.7	46.8	7.2	4.2	1.8	1.2	0.6	0.0	0.0	0.0
72.5°	2134.2	1557.3	33.6	6.0	3.6	1.8	1.2	0.6	0.6	0.0	0.0
75°	1543.6	920.5	23.4	5.4	3.6	1.8	1.8	1.2	1.2	1.2	0.0
77.5°	791.6	382.6	15.6	4.8	3.0	1.2	2.4	1.8	1.8	1.8	0.6
80°	232.1	131.9	9.6	4.2	3.0	1.2	2.4	2.4	2.4	2.4	0.6
82.5°	44.4	25.8	6.0	4.2	3.0	1.2	2.4	2.4	2.4	3.0	0.0
85°	17.4	10.2	4.2	3.6	3.0	1.2	2.4	2.4	3.0	3.0	0.0
87.5°	6.0	4.8	3.6	3.0	3.0	1.2	2.4	2.4	2.4	3.0	0.6
90°	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)