

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: P415343

Luminaire Tested: **LXF.LXT-PA1-50-722-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-722-U-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3998 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G1

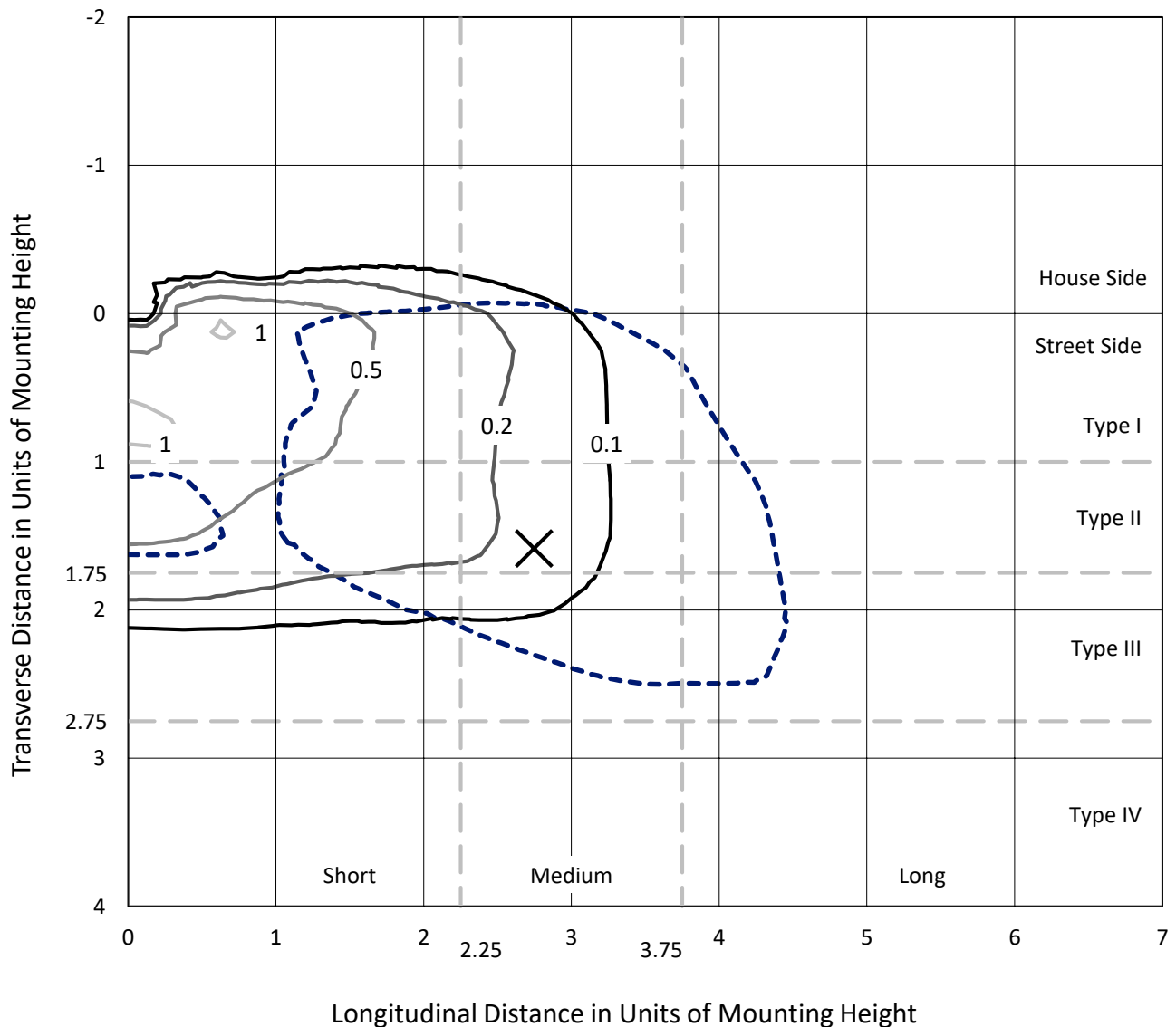
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

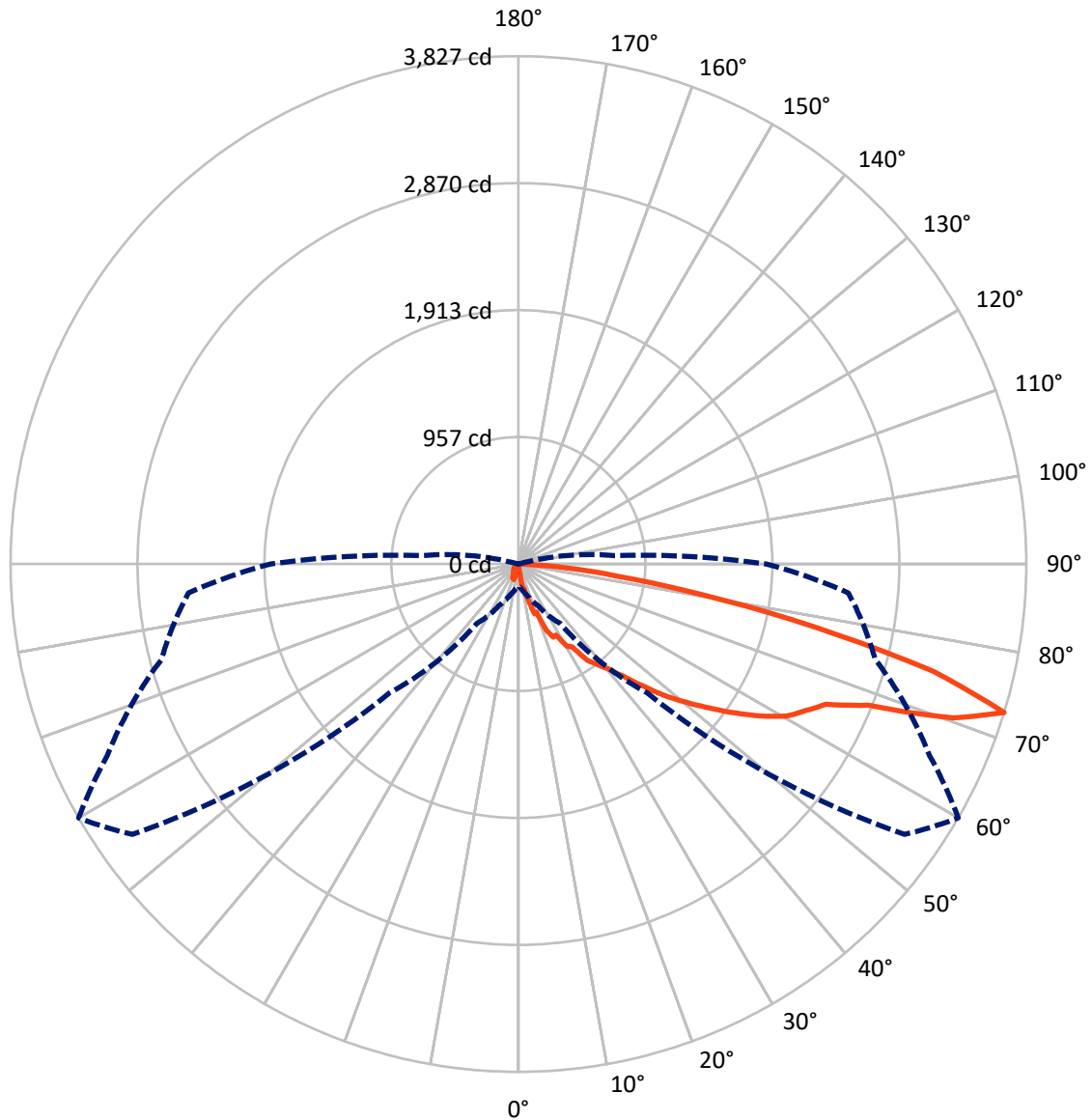


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



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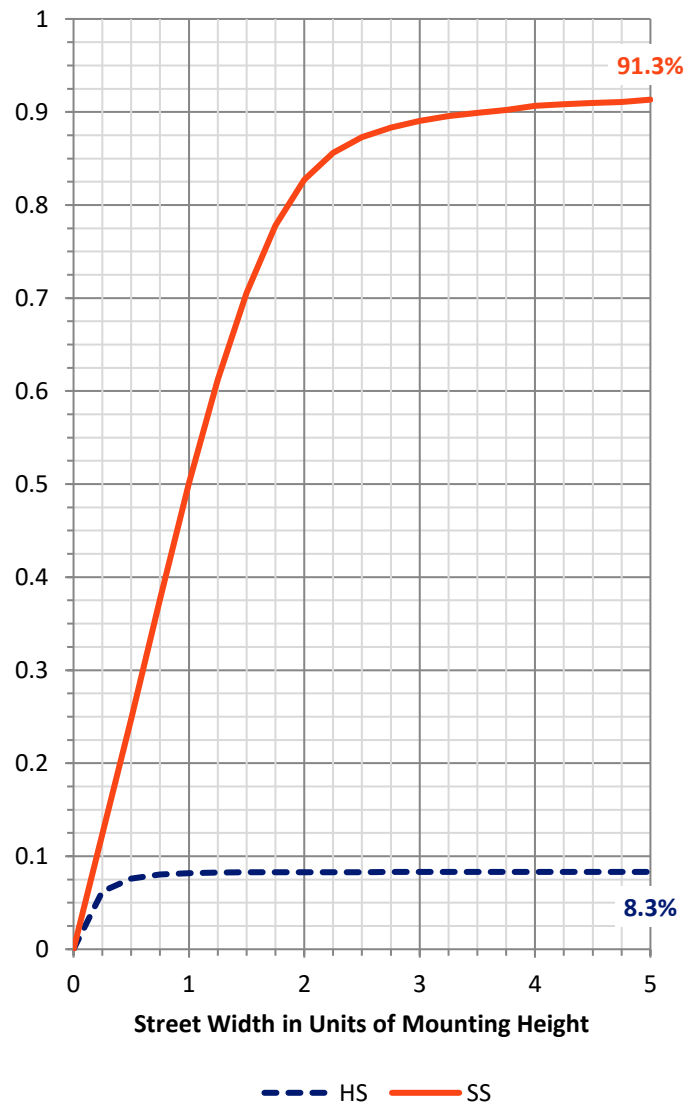
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	335.3	0.0	335.3
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	3662.7	0.0	3662.7
	% Fixture	91.6	0.0	91.6
Total	Lumens	3998.0	0.0	3998.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.1
10°-20°	55.7	1.4
20°-30°	174.1	4.4
30°-40°	375.4	9.4
40°-50°	638.3	16.0
50°-60°	943.7	23.6
60°-70°	1026.5	25.7
70°-80°	699.6	17.5
80°-90°	79.4	2.0
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°	3998.0	100.0
0°-180°	3998.0	100.0

Coefficient of Utilization



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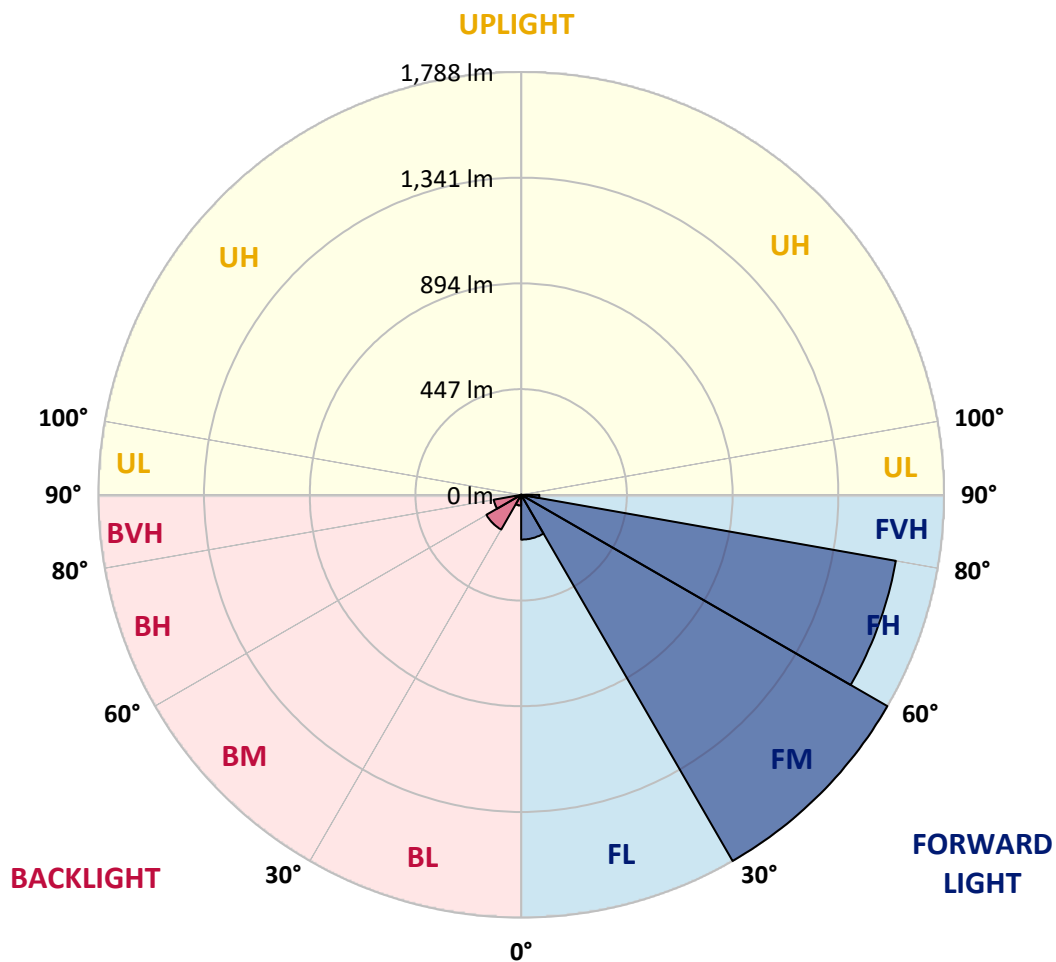
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	189.3	4.7			
FM	(30°-60°)	1787.8	44.7			
FH	(60°-80°)	1608.6	40.2			G1/1800
FVH	(80°-90°)	77.0	1.9			G1/100
BL	(0°-30°)	45.8	1.1	B0/110		
BM	(30°-60°)	169.6	4.2	B0/220		
BH	(60°-80°)	117.5	2.9	B1/500		G1/500
BVH	(80°-90°)	2.4	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	3.6	2.6	2.6	2.1	1.6	1.6	1.6	2.1	2.1	1.6	2.1
5°	204.5	201.9	201.9	202.9	131.8	22.3	12.5	5.2	2.1	2.1	2.1
7.5°	194.1	192.0	193.1	195.7	197.2	199.8	199.8	61.2	19.7	2.1	2.1
10°	198.8	197.2	188.9	187.4	190.5	193.1	194.1	198.8	193.1	5.7	2.1
12.5°	349.8	347.2	347.2	351.9	204.5	186.9	188.9	193.6	167.1	21.8	11.9
15°	334.8	332.7	333.2	338.9	346.7	246.0	194.1	287.5	369.0	333.2	264.7
17.5°	467.1	402.3	347.8	331.1	332.7	343.6	376.3	395.5	375.3	379.4	288.6
20°	477.0	473.4	471.3	474.9	340.5	453.1	478.6	388.2	377.9	406.4	532.5
22.5°	493.6	485.3	468.7	466.6	524.2	446.4	463.5	542.9	557.4	595.3	554.3
25°	668.5	662.3	645.2	491.0	537.7	512.8	584.4	610.9	602.1	627.0	601.0
27.5°	734.4	722.5	685.7	637.4	570.9	604.7	591.2	605.7	664.9	863.7	847.6
30°	1029.3	997.6	895.9	733.9	678.9	629.6	687.7	718.4	768.2	883.9	868.9
32.5°	1118.5	1084.8	1011.1	934.3	804.5	713.7	756.8	743.3	779.1	1078.6	1140.8
35°	1378.6	1363.0	1230.1	1016.8	983.6	841.9	794.7	887.6	940.5	1093.6	1199.0
37.5°	1381.7	1382.7	1374.9	1230.6	1078.6	946.2	955.0	958.7	999.7	1165.2	1266.5
40°	1425.8	1433.1	1452.3	1343.3	1215.1	1097.3	1073.9	1037.6	1073.9	1245.7	1358.8
42.5°	1518.2	1523.4	1565.9	1452.3	1323.0	1215.1	1227.0	1152.8	1179.3	1397.8	1484.5
45°	1680.7	1677.5	1731.0	1567.0	1423.7	1349.5	1363.0	1305.9	1289.8	1522.3	1631.9
47.5°	1864.4	1875.8	1873.7	1693.6	1523.9	1474.6	1513.5	1482.9	1419.6	1681.2	1803.7
50°	2038.3	2034.6	1980.7	1765.3	1613.2	1597.1	1686.9	1636.5	1578.9	1842.6	1969.2
52.5°	2101.6	2104.7	2040.3	1808.3	1689.5	1718.5	1853.0	1802.1	1727.4	1957.8	2133.8
55°	2090.2	2094.3	2058.0	1852.5	1746.6	1832.2	2025.3	1981.7	1897.6	2082.9	2257.3
57.5°	1983.3	1983.3	2012.8	1880.0	1802.1	1933.9	2178.9	2161.3	2057.5	2186.7	2331.0
60°	1710.2	1739.3	1832.2	1846.7	1867.5	2044.0	2331.0	2325.3	2199.2	2283.8	2374.6
62.5°	1315.2	1324.6	1530.1	1685.8	1872.7	2191.9	2459.2	2431.7	2304.0	2313.4	2405.2
65°	745.9	788.4	978.4	1371.8	1766.3	2346.6	2665.3	2547.4	2395.9	2348.7	2517.9
67.5°	401.7	417.3	523.2	830.5	1447.6	2363.7	3132.4	2841.2	2613.9	2534.5	2738.5
70°	259.5	276.1	333.2	456.2	907.8	2090.2	3572.0	3473.9	3063.9	2788.8	2772.2
72.5°	168.7	178.5	240.3	343.6	546.0	1377.0	3551.8	3826.9	3419.4	2784.1	2495.5
75°	68.5	75.3	120.4	286.0	461.4	674.8	2725.0	3226.9	3210.3	2474.3	1931.3
77.5°	34.3	36.3	53.5	154.7	409.5	467.1	1724.3	2276.0	2285.3	1803.7	1073.9
80°	22.3	21.8	30.6	72.7	279.2	425.1	964.4	1398.3	1307.5	684.1	301.0
82.5°	8.8	9.3	16.6	41.5	116.8	384.6	550.2	752.6	588.6	133.4	86.7
85°	1.6	1.6	5.2	22.3	36.9	176.0	355.0	364.4	241.9	42.0	43.6
87.5°	0.5	0.5	1.0	1.6	2.6	4.2	15.6	7.3	4.7	7.3	8.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	2.1	2.1	2.1	1.6	1.6	1.0	0.0	0.0	0.5	0.5	0.5
5°	2.1	2.1	2.1	1.6	1.6	0.5	0.0	0.0	0.5	0.5	0.5
7.5°	2.1	2.1	2.1	1.6	1.0	0.5	0.0	0.0	0.5	0.5	0.5
10°	2.1	2.1	2.1	1.6	1.0	0.5	15.1	96.0	99.1	99.7	98.6
12.5°	13.0	13.5	7.3	1.6	1.0	89.3	88.8	74.2	64.9	61.2	56.6
15°	281.8	267.8	221.6	130.8	72.1	73.2	54.0	40.0	32.2	30.1	29.1
17.5°	279.2	259.0	204.0	119.4	125.6	55.0	29.1	32.2	42.0	42.6	42.6
20°	524.7	460.4	199.3	133.4	84.6	47.8	37.9	40.0	40.0	40.5	40.0
22.5°	547.1	482.7	298.4	170.2	60.7	50.3	43.1	37.4	38.4	49.8	48.3
25°	551.7	473.4	276.6	133.4	58.7	50.3	47.2	45.7	51.4	51.4	51.9
27.5°	795.2	665.4	335.3	100.2	58.1	52.4	52.4	47.8	46.2	45.7	46.2
30°	793.6	642.6	286.0	84.6	56.1	51.9	47.2	42.6	51.4	51.9	51.9
32.5°	1041.7	821.6	276.6	68.5	56.1	47.8	41.5	44.1	41.0	41.0	41.0
35°	1056.2	800.9	218.0	71.1	49.8	43.6	40.5	34.3	36.3	36.9	35.8
37.5°	1084.3	786.3	165.6	64.4	49.8	40.5	33.2	30.6	28.5	28.0	28.0
40°	1134.6	787.4	127.7	59.2	46.7	36.9	29.6	24.9	26.0	26.0	25.4
42.5°	1209.9	802.4	100.2	54.5	42.0	32.7	24.9	22.3	20.8	20.8	20.2
45°	1309.5	834.6	82.0	50.9	38.4	28.0	20.2	18.2	16.6	16.6	16.1
47.5°	1433.1	879.8	71.6	47.2	34.3	23.4	16.6	14.5	13.5	13.0	13.0
50°	1564.9	933.8	65.9	44.1	29.6	18.7	13.5	11.4	10.4	10.4	9.9
52.5°	1701.4	995.5	61.2	42.0	25.4	15.6	10.4	8.3	7.8	7.3	7.8
55°	1812.0	1032.9	58.1	41.5	21.3	12.5	7.8	6.2	5.7	5.2	5.2
57.5°	1884.6	1053.1	54.0	38.4	17.1	9.3	5.7	4.2	3.6	3.6	3.6
60°	1941.7	1064.6	48.8	30.6	13.5	6.7	3.6	2.6	2.6	2.6	2.6
62.5°	1986.9	1072.3	41.0	23.9	10.4	4.7	2.6	1.6	1.6	1.6	1.6
65°	2120.8	1118.0	31.7	18.2	7.8	3.1	1.6	1.0	0.5	1.0	1.0
67.5°	2283.8	1137.2	23.4	13.0	5.7	2.1	1.0	0.5	0.5	0.5	1.0
70°	2219.4	990.8	17.1	9.3	4.2	1.6	1.0	0.5	0.5	0.5	1.0
72.5°	1864.9	724.1	12.5	6.7	3.1	1.6	1.0	0.5	0.5	1.0	1.0
75°	1341.2	408.5	9.9	4.7	2.6	1.6	1.0	1.0	1.0	1.6	1.6
77.5°	631.2	152.1	9.9	4.2	2.6	1.6	1.0	1.0	1.6	2.1	1.0
80°	153.1	37.9	9.9	3.6	2.6	1.6	1.6	1.6	2.1	2.1	1.0
82.5°	51.4	16.1	7.3	3.1	2.6	1.6	1.6	2.1	2.1	2.6	1.6
85°	31.1	10.4	5.2	3.6	3.1	1.6	2.1	2.1	2.6	3.1	1.6
87.5°	5.2	4.2	3.6	3.6	3.1	2.1	2.1	2.6	2.6	3.1	2.1
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)