

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: McGRAW-EDISON

Report Number: P945189

Luminaire Tested: **GALN-SB1B-722-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945189
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB1B-722-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

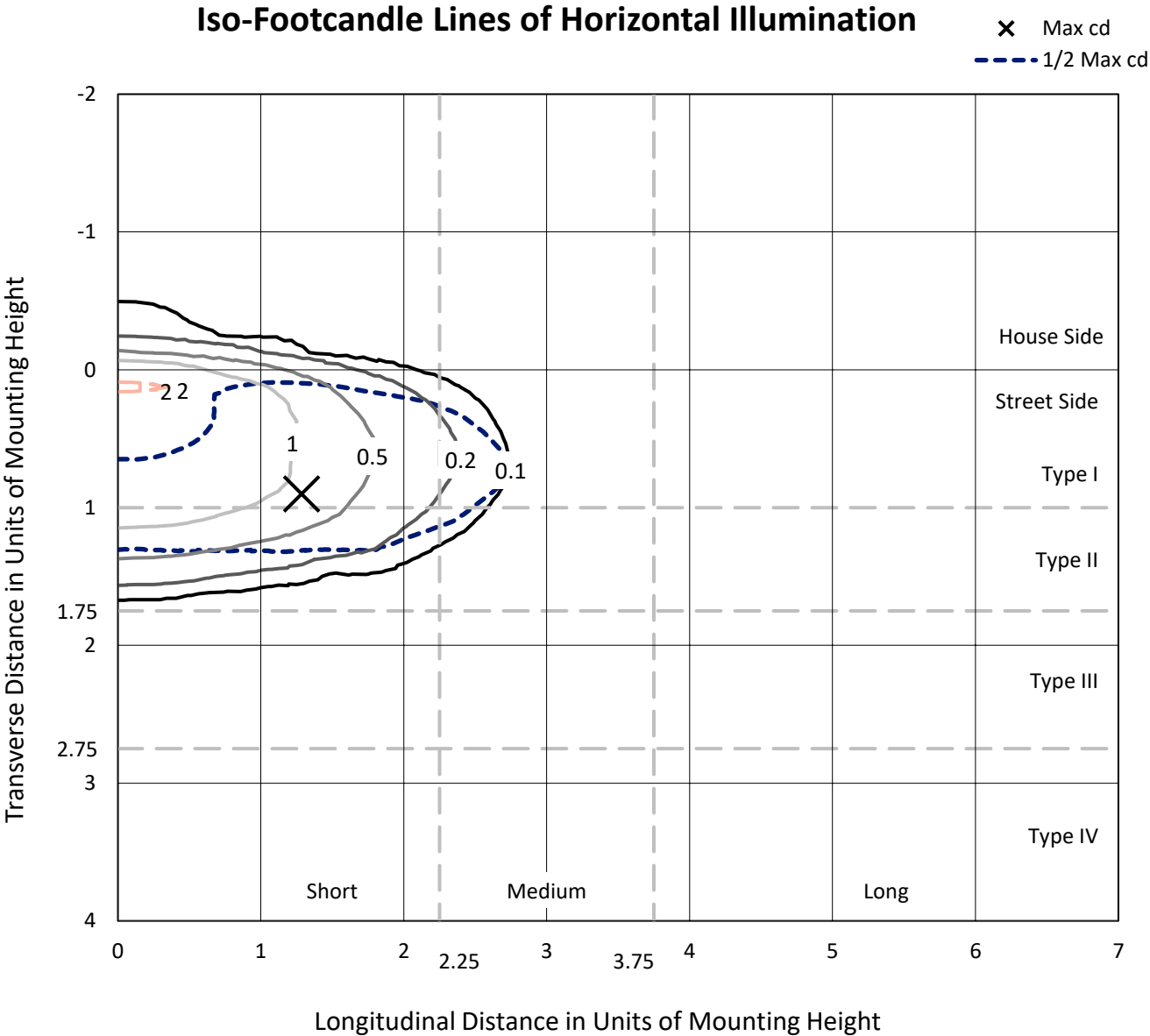
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3967 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 39.8
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: 24 FT



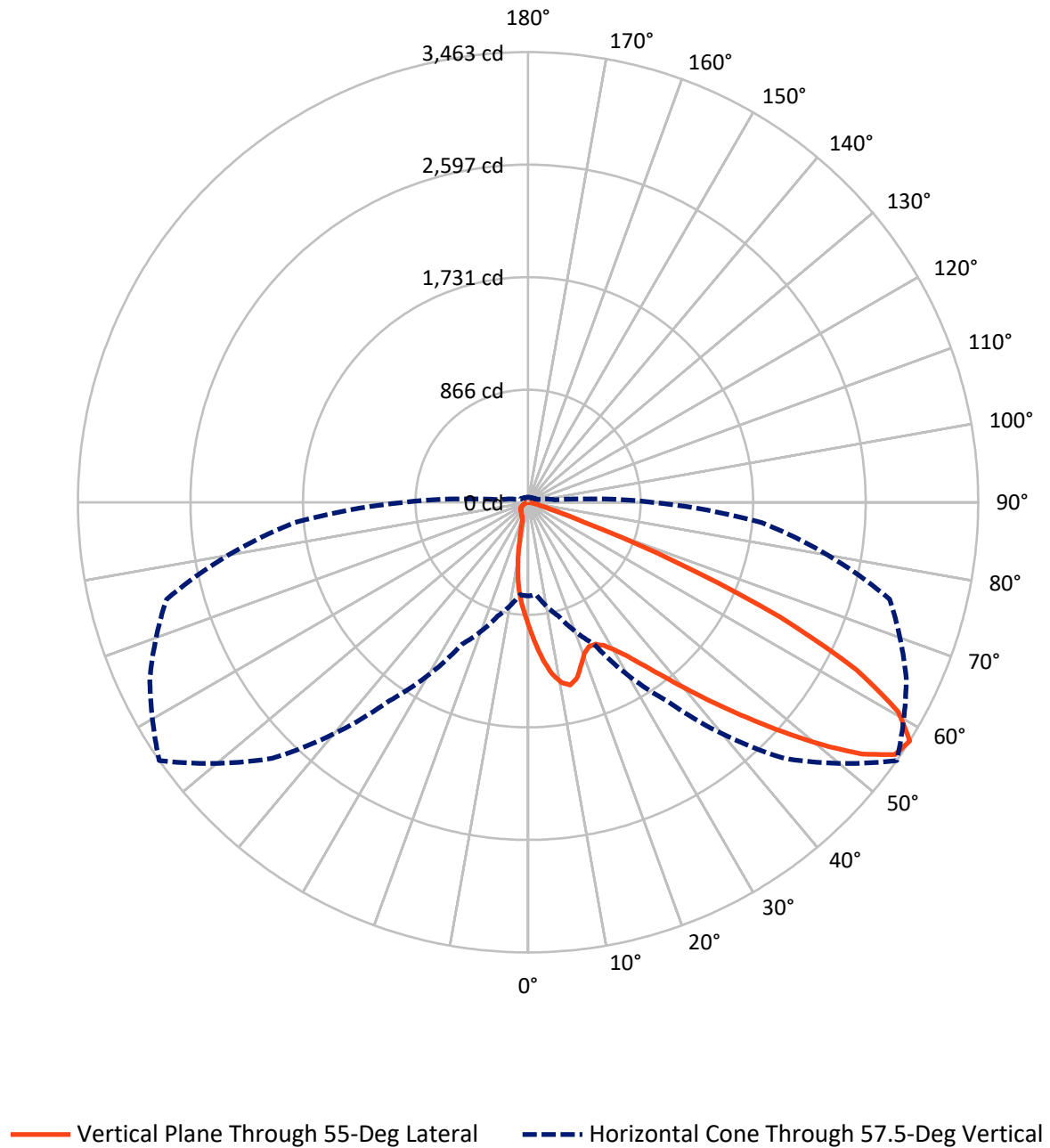
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Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	309.8	0.0	309.8
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	3657.2	0.0	3657.2
	% Fixture	92.2	0.0	92.2
Total	Lumens	3967.0	0.0	3967.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.9	2.2
10°-20°	214.8	5.4
20°-30°	343.8	8.7
30°-40°	581.8	14.7
40°-50°	955.2	24.1
50°-60°	1049.9	26.5
60°-70°	602.2	15.2
70°-80°	123.0	3.1
80°-90°	7.3	0.2
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°	3967.0	100.0
0°-180°	3967.0	100.0

Coefficient of Utilization



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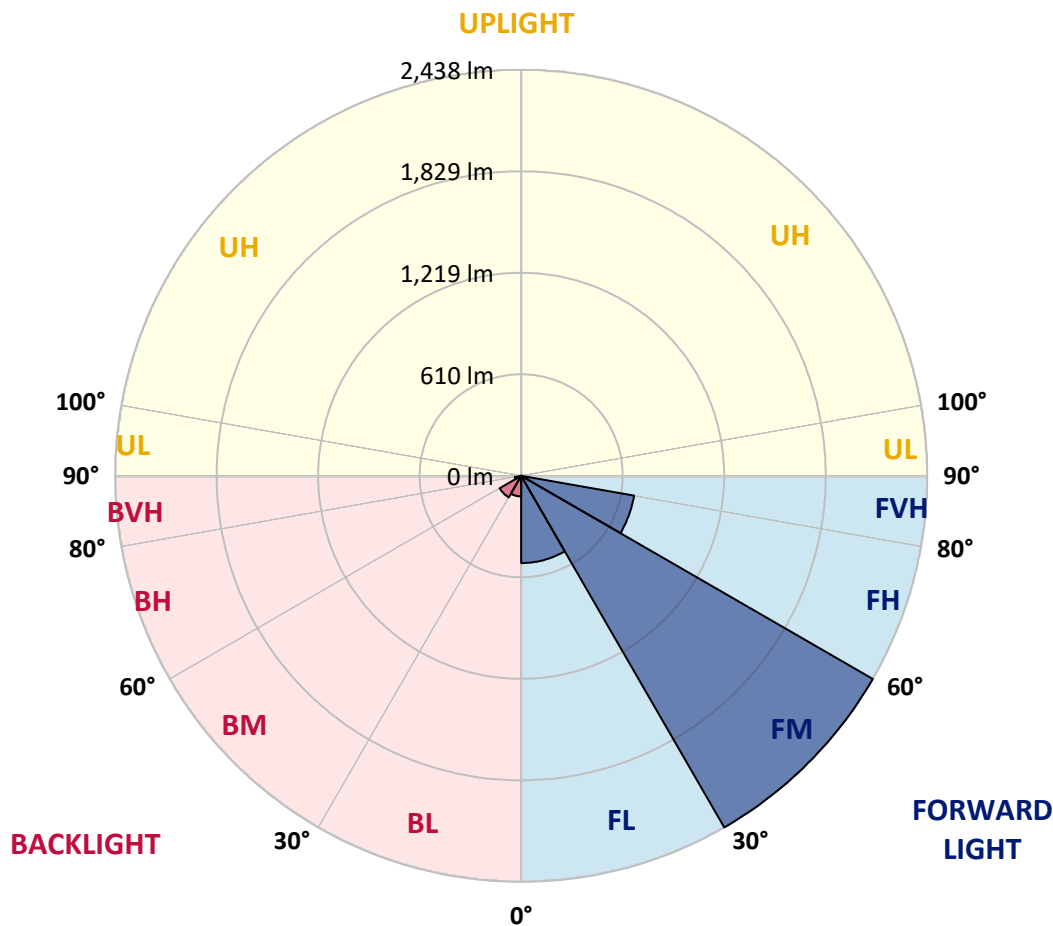
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	523.9	13.2			
FM	(30°-60°)	2438.1	61.5			
FH	(60°-80°)	688.4	17.4			G1/1800
FVH	(80°-90°)	6.8	0.2			G0/10
BL	(0°-30°)	123.7	3.1	B1/500		
BM	(30°-60°)	148.8	3.8	B0/220		
BH	(60°-80°)	36.8	0.9	B0/110		G0/110
BVH	(80°-90°)	0.5	0.0			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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	955.9	955.9	955.9	955.9	955.9	955.9	955.9	955.9	955.9	955.9	955.9
2.5°	1186.1	1171.2	1169.0	1166.1	1137.7	1116.4	1085.6	1051.8	1013.9	975.3	958.2
5°	1370.3	1358.6	1356.4	1342.7	1310.4	1274.2	1219.4	1150.2	1079.5	996.3	960.6
7.5°	1406.0	1403.8	1413.9	1413.4	1409.0	1380.4	1334.1	1251.7	1145.5	1022.2	967.0
10°	1246.8	1252.4	1282.3	1308.4	1379.1	1420.2	1410.2	1342.2	1213.5	1051.8	974.1
12.5°	1101.7	1095.1	1116.4	1146.0	1228.2	1350.5	1441.8	1417.8	1291.3	1085.3	984.6
15°	1010.7	1008.1	1020.0	1033.7	1096.4	1219.6	1405.1	1479.2	1366.2	1125.0	1000.5
17.5°	981.6	979.4	983.1	986.5	1027.1	1122.5	1317.7	1516.8	1437.8	1170.2	1018.1
20°	1005.4	1002.4	1001.9	999.2	1016.1	1081.2	1238.7	1519.5	1502.2	1211.3	1033.2
22.5°	1074.6	1071.2	1059.2	1048.4	1049.9	1086.8	1203.5	1492.6	1550.6	1249.7	1042.8
25°	1200.1	1194.4	1169.5	1133.3	1110.3	1126.0	1208.9	1457.2	1596.8	1279.8	1038.1
27.5°	1357.1	1349.8	1317.7	1263.9	1211.3	1192.2	1247.8	1432.7	1635.2	1302.8	1028.1
30°	1511.0	1501.4	1469.9	1428.1	1351.2	1291.1	1318.0	1443.5	1681.0	1326.8	1014.9
32.5°	1677.1	1668.0	1626.2	1574.3	1510.7	1429.8	1414.1	1496.1	1737.0	1360.3	1005.6
35°	1887.2	1873.0	1813.6	1742.9	1675.4	1593.4	1544.2	1586.8	1811.6	1411.4	1010.7
37.5°	2126.4	2107.3	2043.3	1945.7	1857.6	1765.9	1702.8	1711.6	1920.9	1479.9	1026.6
40°	2352.0	2334.6	2275.4	2183.4	2072.9	1961.6	1894.3	1874.7	2071.9	1563.3	1054.5
42.5°	2487.2	2471.6	2446.6	2407.7	2314.5	2201.0	2116.2	2073.8	2250.4	1663.1	1088.5
45°	2494.8	2481.1	2514.6	2559.9	2541.5	2465.9	2362.5	2284.9	2429.7	1756.8	1123.8
47.5°	2373.5	2364.2	2465.9	2624.0	2702.7	2734.5	2639.1	2478.4	2577.7	1824.1	1138.2
50°	2042.8	2039.3	2248.7	2538.8	2764.1	2969.9	2931.0	2658.5	2692.5	1858.8	1124.5
52.5°	1771.2	1758.8	1880.8	2266.3	2674.8	3093.6	3216.2	2835.1	2772.7	1865.4	1092.4
55°	1343.4	1332.4	1485.5	1810.4	2386.9	3049.6	3424.8	3017.3	2830.2	1848.5	1035.0
57.5°	720.6	713.8	907.3	1205.0	1865.9	2785.4	3462.5	3210.1	2878.6	1803.8	954.5
60°	280.6	279.3	351.8	584.6	1134.0	2266.1	3272.4	3325.8	2908.9	1748.7	887.2
62.5°	169.8	173.4	185.2	262.5	501.0	1407.8	2834.3	3194.2	2929.2	1698.4	831.7
65°	140.4	140.7	142.1	180.3	240.0	589.0	2133.8	2761.2	2879.1	1608.6	752.9
67.5°	120.3	122.6	128.2	143.1	169.3	258.3	1228.4	2138.9	2574.1	1399.7	630.1
70°	94.9	97.8	104.9	117.7	130.6	161.7	454.0	1423.2	1966.4	1055.0	476.5
72.5°	80.0	79.7	83.4	95.6	103.7	113.7	174.7	797.4	1142.8	503.7	235.8
75°	61.9	64.3	69.0	80.0	84.9	82.4	94.7	291.3	409.5	152.6	80.2
77.5°	48.4	50.4	54.5	65.3	70.2	58.5	54.5	104.2	131.6	54.8	36.2
80°	21.8	23.5	37.2	48.2	57.2	40.4	29.6	53.3	58.5	25.0	18.3
82.5°	3.9	6.6	21.8	25.4	29.4	26.2	15.4	27.6	28.6	10.0	6.4
85°	0.2	0.5	7.6	9.3	11.7	8.6	4.6	11.0	9.5	3.4	2.4
87.5°	0.0	0.0	0.0	0.2	0.2	1.2	1.5	2.0	1.5	1.2	1.0
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	955.9	955.9	955.9	955.9	955.9	955.9	955.9	955.9	955.9	955.9
2.5°	940.5	905.8	872.0	844.4	828.3	800.9	782.8	779.8	772.2	778.8
5°	922.4	860.3	797.4	741.2	694.9	635.3	590.7	571.9	555.5	561.1
7.5°	913.9	815.8	717.9	621.8	523.0	427.6	356.6	327.0	304.5	307.7
10°	902.4	769.6	616.2	469.4	337.1	242.9	194.0	175.9	165.8	166.1
12.5°	893.6	714.3	498.0	318.2	205.2	155.1	139.9	135.5	132.6	132.8
15°	889.2	649.2	381.4	212.1	146.8	131.4	127.7	125.7	123.8	123.5
17.5°	881.8	576.8	279.1	154.8	128.4	123.0	119.9	117.7	115.2	114.7
20°	870.8	494.6	204.0	130.9	120.3	116.2	111.8	108.9	105.9	105.4
22.5°	850.5	407.8	156.8	121.1	114.5	109.8	104.4	101.0	98.1	97.6
25°	812.9	326.3	132.1	115.0	109.3	103.7	97.8	93.2	90.5	90.0
27.5°	765.2	256.4	119.9	109.3	102.7	97.6	91.0	86.6	84.1	83.7
30°	708.9	197.4	112.8	103.0	94.9	90.5	84.6	81.0	79.5	79.5
32.5°	648.2	157.8	109.8	96.6	88.1	83.2	78.5	77.1	76.6	76.3
35°	591.2	137.0	108.4	91.5	81.9	77.3	75.3	75.6	76.6	76.6
37.5°	540.6	130.4	107.6	87.8	76.6	72.4	73.6	75.8	74.9	74.9
40°	494.9	131.1	107.1	85.1	72.2	69.7	72.2	70.4	68.0	67.8
42.5°	459.9	137.2	106.2	82.9	69.5	67.8	66.8	64.1	63.8	64.3
45°	434.4	142.6	105.9	81.9	66.5	63.4	62.1	59.4	64.3	65.6
47.5°	404.3	142.6	105.9	78.5	61.6	60.4	58.5	55.5	60.4	61.6
50°	365.5	133.6	101.8	74.6	57.7	57.0	53.6	49.9	48.9	49.7
52.5°	316.3	117.2	91.2	69.2	53.8	52.3	48.2	45.5	44.8	44.8
55°	260.3	98.1	77.1	61.4	49.7	47.0	44.0	42.8	42.1	41.6
57.5°	211.6	80.5	61.9	54.5	45.7	42.3	41.3	39.9	38.6	37.9
60°	173.7	63.4	51.1	48.4	41.8	38.6	38.4	36.4	33.3	32.8
62.5°	134.0	46.5	43.1	42.1	37.9	35.2	34.7	30.8	25.9	25.0
65°	94.7	36.2	34.7	36.9	33.8	31.3	30.1	24.2	19.1	18.3
67.5°	66.5	30.3	27.4	32.3	29.4	26.2	25.4	20.5	15.9	15.4
70°	47.5	24.7	22.5	27.6	23.5	23.0	21.5	17.1	13.0	12.5
72.5°	33.5	18.8	17.4	24.0	16.1	19.8	17.6	13.2	9.8	9.3
75°	24.7	13.5	12.2	13.9	11.7	14.9	12.5	8.8	6.1	5.9
77.5°	18.1	8.6	7.3	6.8	6.8	9.3	6.8	3.7	2.7	2.4
80°	12.7	3.9	3.4	2.9	2.7	2.2	1.0	0.5	0.2	0.2
82.5°	7.6	1.7	1.7	1.2	0.7	0.0	0.0	0.0	0.0	0.0
85°	1.7	0.7	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)