

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: P945194

Luminaire Tested: **GALN-SB1B-722-U-SL3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945194
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)
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-SL3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3747 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - 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



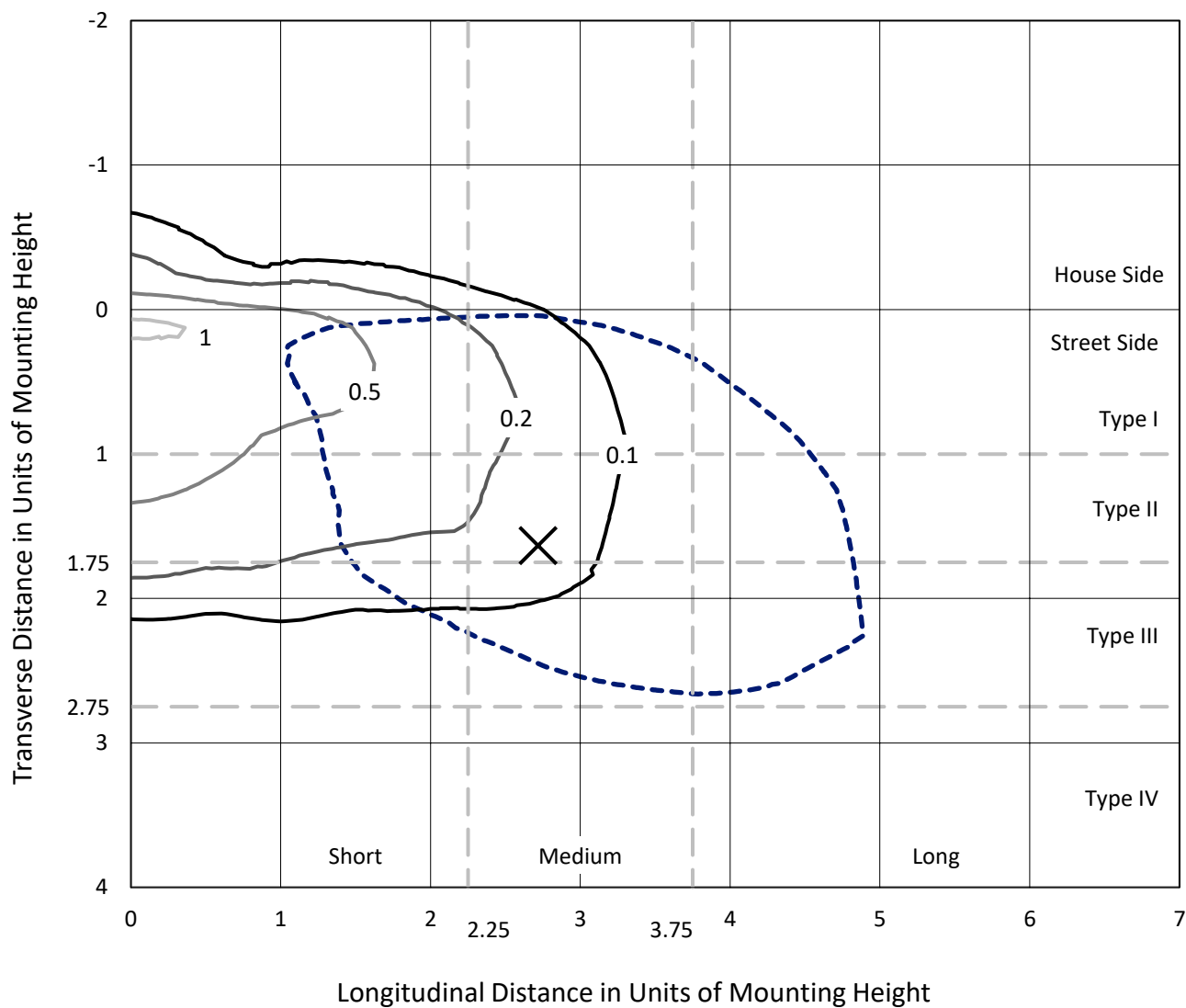
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

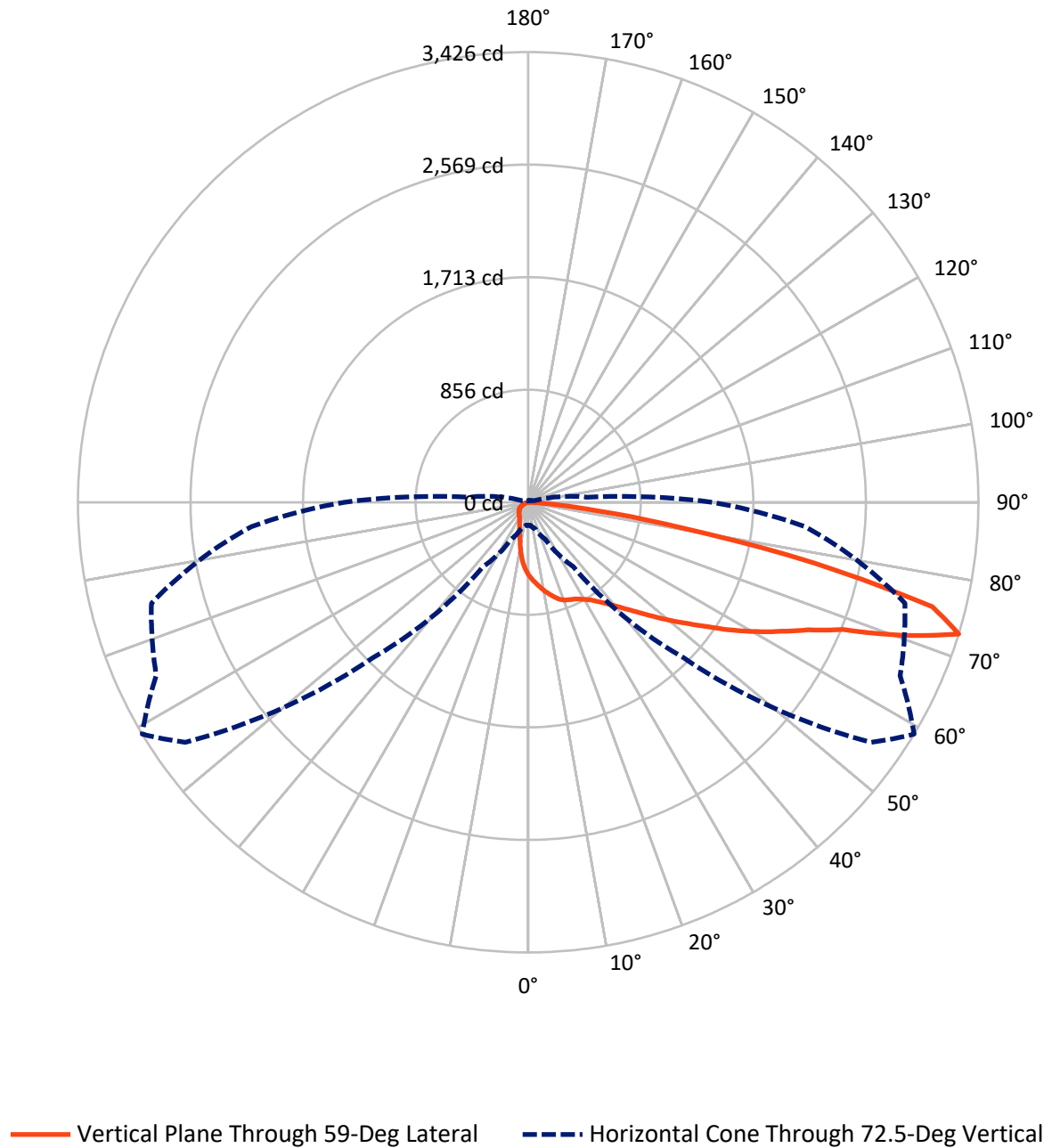


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc

Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	395.8	0.0	395.8
	% Fixture	10.6	0.0	10.6
Street Side	Lumens	3351.2	0.0	3351.2
	% Fixture	89.4	0.0	89.4
Total	Lumens	3747.0	0.0	3747.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.1	1.3
10°-20°	133.2	3.6
20°-30°	211.0	5.6
30°-40°	338.7	9.0
40°-50°	540.9	14.4
50°-60°	783.2	20.9
60°-70°	929.4	24.8
70°-80°	690.0	18.4
80°-90°	70.5	1.9
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°	3747.0	100.0
0°-180°	3747.0	100.0

Coefficient of Utilization



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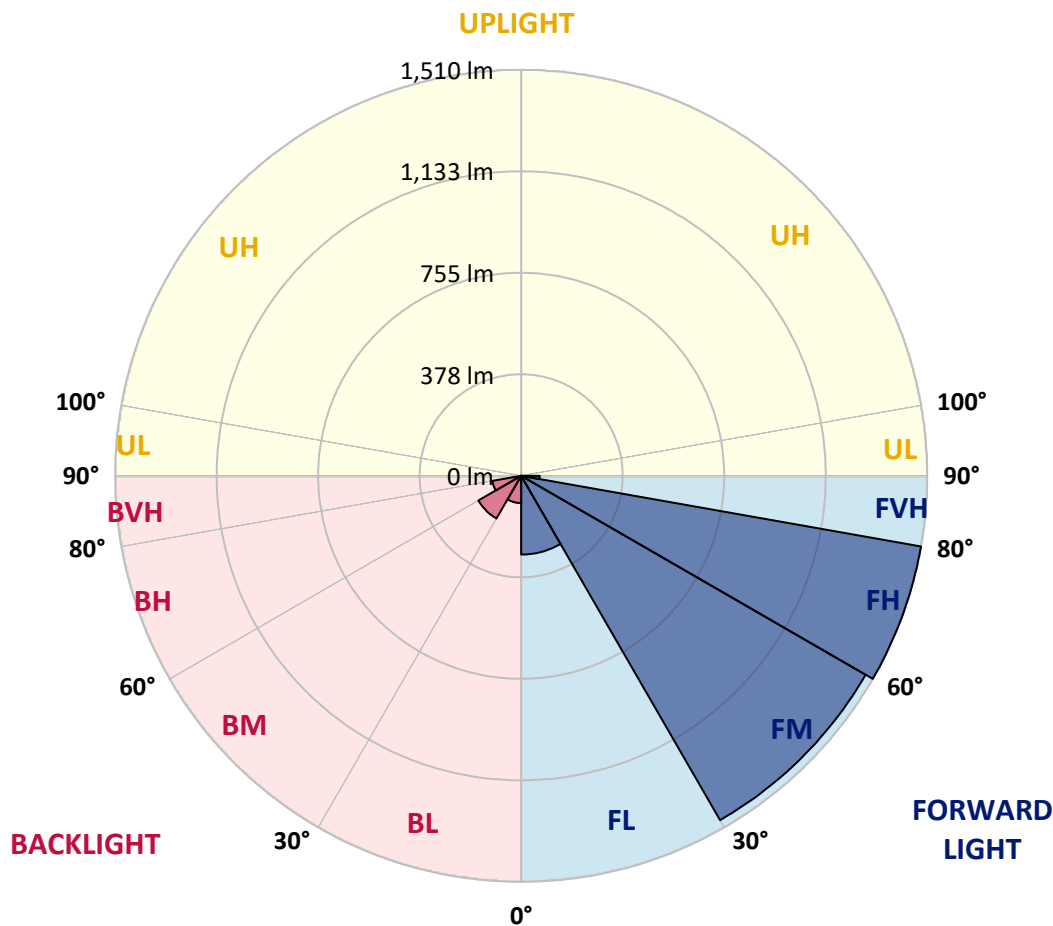
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	292.9	7.8			
FM	(30°-60°)	1479.3	39.5			
FH	(60°-80°)	1510.3	40.3			G1/1800
FVH	(80°-90°)	68.8	1.8			G1/100
BL	(0°-30°)	101.4	2.7	B0/110		
BM	(30°-60°)	183.5	4.9	B0/220		
BH	(60°-80°)	109.1	2.9	B0/110		G0/110
BVH	(80°-90°)	1.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	554.1	554.1	554.1	554.1	554.1	554.1	554.1	554.1	554.1	554.1	554.1
2.5°	614.8	611.3	611.8	606.0	601.8	597.4	588.8	587.6	581.5	570.7	559.7
5°	668.3	666.1	664.2	657.6	649.0	638.2	623.8	618.7	607.4	588.8	567.3
7.5°	707.5	704.8	705.8	699.2	692.3	680.3	660.5	651.0	636.0	607.7	575.1
10°	715.1	713.6	720.0	722.4	722.4	714.8	695.5	685.9	664.2	628.0	583.2
12.5°	672.5	672.7	688.6	707.7	732.7	739.8	726.8	716.5	695.0	649.5	593.5
15°	622.8	623.1	638.5	663.0	703.8	744.7	754.9	748.3	726.1	672.7	605.5
17.5°	593.0	591.8	602.0	622.1	664.9	722.4	772.1	776.5	758.4	698.4	618.7
20°	588.8	586.6	592.0	602.0	632.6	694.5	774.0	794.8	791.6	727.5	633.8
22.5°	614.3	610.8	607.9	608.4	621.4	671.3	769.1	805.1	825.9	762.5	654.6
25°	664.7	659.3	649.7	637.5	634.8	666.4	765.7	816.3	857.7	807.3	682.0
27.5°	726.3	718.7	700.4	682.0	666.4	680.1	772.8	834.2	893.6	859.4	713.8
30°	794.1	784.8	766.4	731.7	706.7	710.7	789.7	857.7	939.6	918.3	753.7
32.5°	893.6	872.1	840.1	787.0	754.0	743.7	815.1	887.5	996.6	996.9	811.4
35°	979.0	967.0	934.7	868.7	800.9	787.5	848.6	929.6	1075.6	1100.8	892.2
37.5°	1035.0	1018.6	990.3	940.6	873.8	832.5	893.4	981.2	1159.3	1219.2	991.7
40°	1097.7	1081.5	1043.8	997.1	958.5	909.8	949.9	1040.7	1251.0	1340.8	1105.5
42.5°	1173.3	1152.2	1107.7	1057.3	1016.9	1011.6	1023.8	1114.8	1345.2	1472.9	1223.9
45°	1262.1	1242.2	1191.1	1127.5	1092.0	1082.5	1116.7	1201.1	1450.2	1617.8	1343.5
47.5°	1345.2	1322.2	1267.2	1209.2	1169.8	1139.7	1215.6	1303.2	1569.1	1769.2	1456.5
50°	1415.9	1392.4	1342.1	1280.2	1253.5	1214.1	1312.7	1416.9	1687.0	1923.1	1559.8
52.5°	1464.4	1443.6	1384.4	1342.3	1324.2	1304.4	1426.5	1537.5	1804.4	2064.0	1661.8
55°	1453.4	1434.8	1382.7	1379.7	1378.5	1399.3	1562.5	1674.3	1924.0	2197.3	1763.3
57.5°	1418.4	1397.3	1332.3	1377.0	1420.3	1483.9	1709.7	1836.0	2055.2	2323.0	1861.2
60°	1315.4	1308.0	1268.4	1371.9	1437.9	1566.9	1878.0	1998.4	2197.0	2433.6	1948.0
62.5°	1097.4	1103.8	1103.5	1382.7	1469.8	1661.3	2030.9	2162.8	2335.7	2540.0	2025.3
65°	821.7	843.7	871.9	1285.8	1512.3	1829.8	2213.7	2341.1	2476.7	2663.8	2103.8
67.5°	552.1	569.7	588.8	1054.9	1385.6	2007.0	2517.3	2585.5	2645.5	2801.0	2192.1
70°	316.1	321.7	348.4	658.8	1068.1	1958.0	3011.7	3036.4	2897.2	2970.1	2256.5
72.5°	177.1	175.2	210.4	312.6	596.9	1676.7	3184.9	3425.8	3122.5	2967.4	2112.9
75°	118.4	118.6	144.8	197.2	232.6	1173.7	2744.5	3176.5	2987.4	2631.3	1726.4
77.5°	80.7	83.4	106.4	152.4	107.6	572.7	1815.7	2225.2	2418.7	2031.9	1191.8
80°	35.0	35.2	70.2	109.4	72.7	182.3	941.3	1192.1	1517.0	1141.0	472.1
82.5°	18.1	20.5	44.8	70.7	45.7	63.8	444.7	520.8	636.5	334.9	96.9
85°	6.4	7.6	27.6	34.7	23.0	22.8	154.9	157.8	134.8	50.4	26.7
87.5°	0.0	1.2	10.8	8.6	2.9	2.7	18.3	15.4	12.2	7.1	8.8
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°	554.1	554.1	554.1	554.1	554.1	554.1	554.1	554.1	554.1	554.1	554.1
2.5°	554.6	548.0	537.2	524.0	508.6	500.3	488.3	480.9	474.3	474.6	480.0
5°	555.3	544.3	516.9	487.8	455.5	431.8	405.4	386.8	372.6	369.2	374.3
7.5°	557.5	538.9	494.2	445.7	391.9	352.0	315.6	292.6	279.6	276.2	279.6
10°	560.5	533.1	468.5	394.3	327.6	279.6	249.3	234.6	228.7	224.3	227.0
12.5°	562.9	526.9	436.2	341.3	270.3	232.9	209.9	197.7	192.5	189.3	191.1
15°	567.1	518.9	401.2	291.8	231.7	201.1	179.3	170.3	168.8	169.3	170.0
17.5°	571.2	511.0	362.1	253.2	203.3	173.2	160.0	158.5	160.5	162.4	163.2
20°	575.9	499.8	322.4	224.1	177.1	153.9	150.4	151.4	152.4	155.8	156.8
22.5°	582.7	485.6	287.7	199.4	155.3	144.6	142.9	143.6	144.3	147.8	148.7
25°	592.5	470.4	259.6	176.6	141.6	137.0	135.3	135.3	136.3	139.4	140.7
27.5°	602.8	448.9	236.8	155.6	133.6	128.7	125.7	125.7	127.0	130.6	132.1
30°	614.3	429.3	218.9	139.9	126.7	120.4	116.4	115.5	116.9	121.6	122.8
32.5°	635.1	416.6	206.2	132.6	120.6	112.8	107.4	104.7	106.2	111.6	113.0
35°	666.6	413.7	197.4	128.9	114.7	105.9	98.3	94.2	95.4	101.0	102.7
37.5°	703.6	419.8	188.9	124.0	109.1	99.3	89.3	83.9	85.9	91.0	92.5
40°	756.6	445.2	182.3	120.4	103.5	91.5	80.2	74.9	78.0	82.4	83.2
42.5°	820.7	490.5	180.5	116.9	96.6	83.2	71.9	68.0	70.5	74.6	75.3
45°	900.2	548.2	188.4	112.5	89.0	75.1	65.3	63.1	63.8	68.0	70.0
47.5°	985.6	607.4	209.9	108.6	82.4	68.5	60.2	58.2	57.7	61.6	64.1
50°	1072.0	660.0	235.3	105.7	77.8	63.1	56.3	53.8	52.6	55.0	56.0
52.5°	1157.4	701.8	252.0	100.8	73.1	57.7	52.8	49.2	47.0	48.2	49.2
55°	1244.0	738.5	252.9	93.4	68.7	54.3	49.4	45.3	42.6	42.6	43.1
57.5°	1324.9	770.8	238.5	83.7	62.6	51.1	44.8	41.3	38.4	37.4	37.7
60°	1396.6	794.8	214.5	72.7	57.2	47.0	40.1	37.4	33.8	31.8	31.3
62.5°	1460.5	806.6	181.8	61.4	50.6	42.1	35.7	32.8	27.9	25.4	25.2
65°	1514.5	794.6	147.5	50.9	45.0	36.7	30.6	27.6	22.3	19.3	19.3
67.5°	1568.1	739.8	111.6	42.8	39.1	30.8	25.2	22.5	18.6	16.1	16.1
70°	1574.9	624.5	78.0	36.0	32.5	23.7	20.3	18.6	15.2	13.0	12.7
72.5°	1402.0	449.4	47.5	29.4	25.4	16.9	16.1	14.7	11.3	9.8	9.5
75°	1120.7	275.5	27.9	22.0	16.9	12.0	12.0	10.5	7.6	6.4	6.4
77.5°	774.5	144.1	16.4	14.2	10.0	7.1	7.8	6.4	3.7	2.9	2.9
80°	310.2	54.8	8.8	6.6	4.6	3.2	2.7	1.5	0.7	0.5	0.7
82.5°	61.9	14.4	2.9	1.7	1.7	0.7	0.0	0.0	0.0	0.0	0.0
85°	15.9	3.2	0.7	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.9	0.0	0.0	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	0.0

(END OF REPORT)