

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: P945546

Luminaire Tested: **GALN-SB1C-722-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945546
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-SB1C-722-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5277 lumens
Efficiency: N/A
Efficacy: 97.0 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

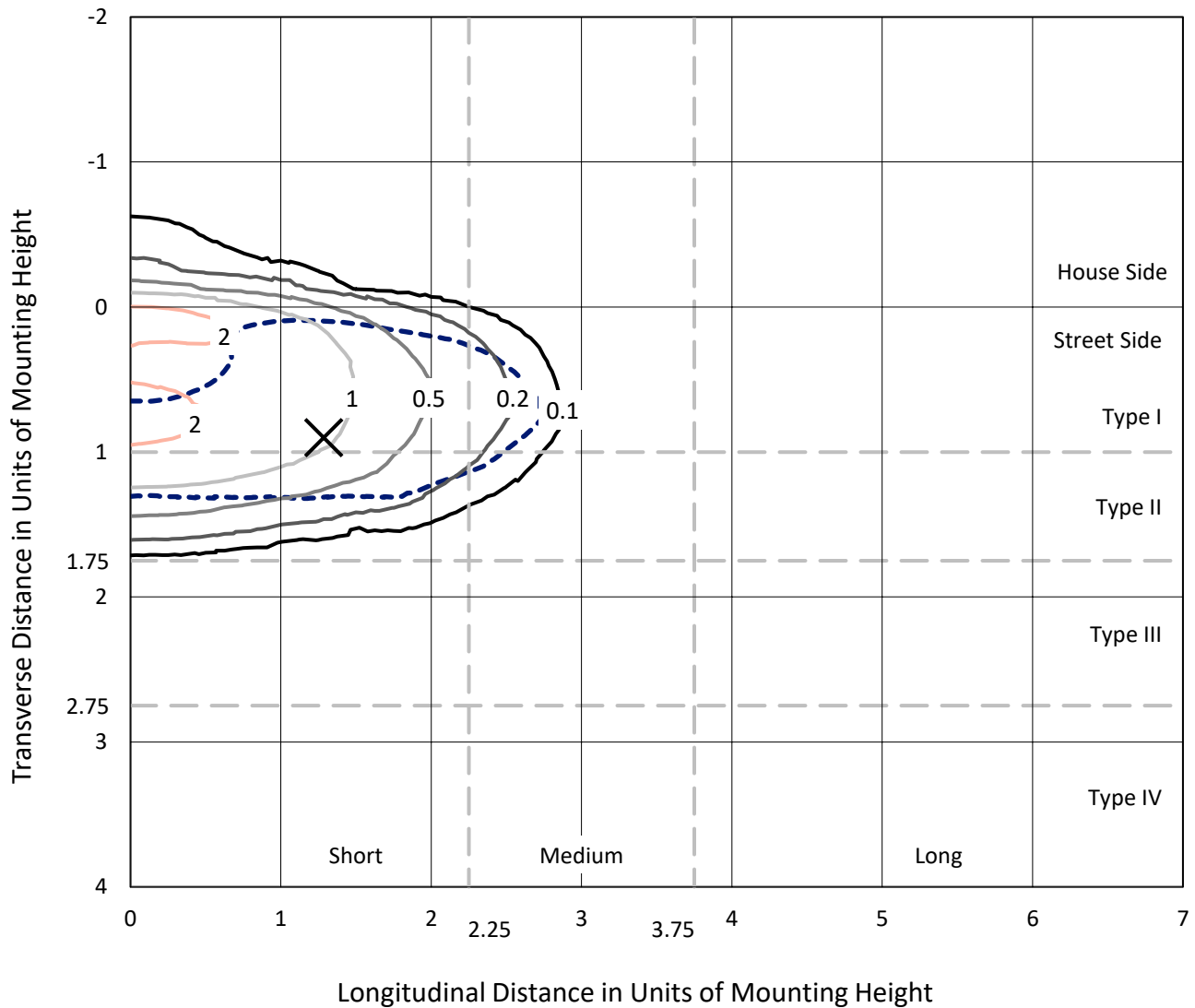
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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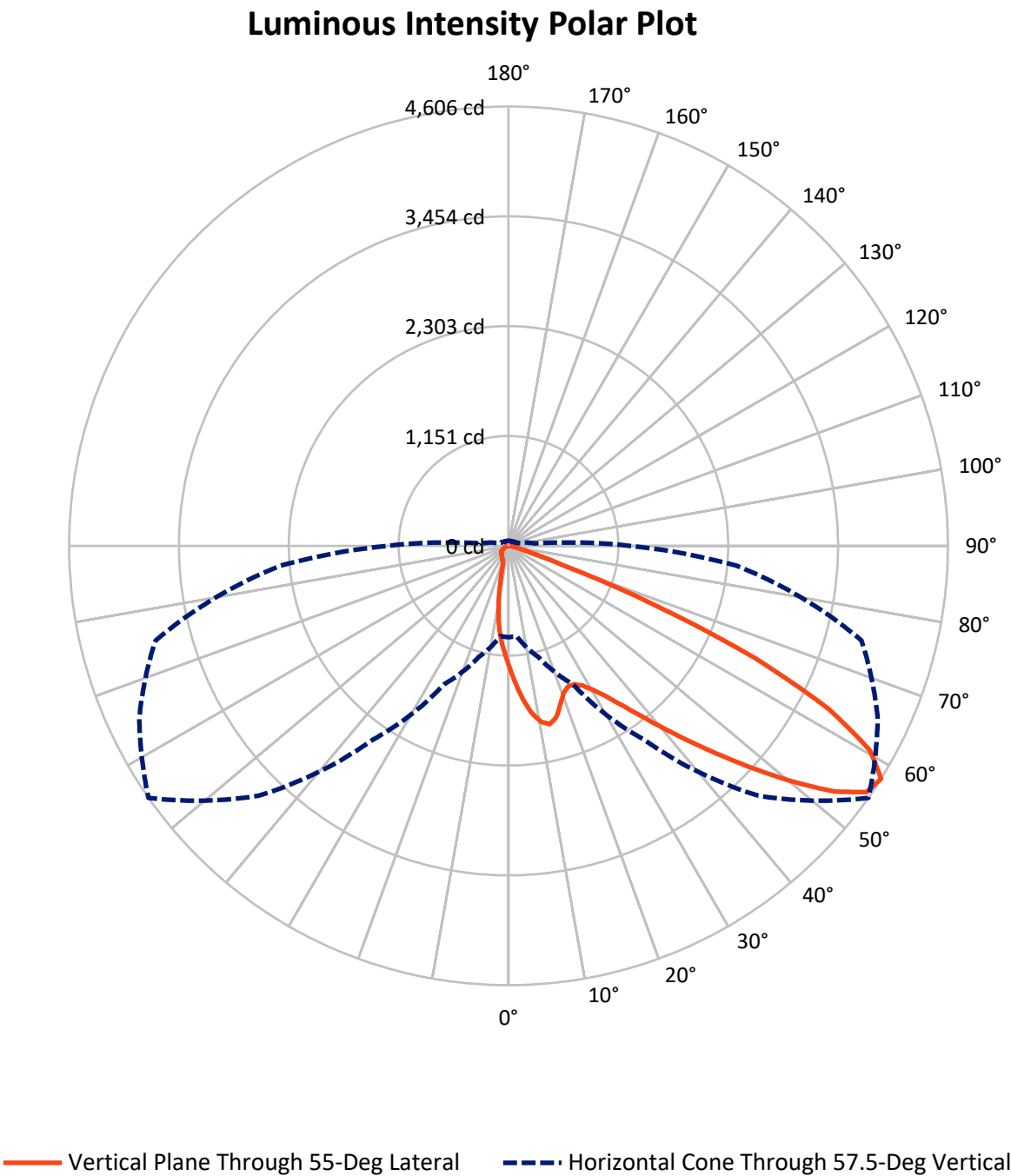
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	412.1	0.0	412.1
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	4864.9	0.0	4864.9
	% Fixture	92.2	0.0	92.2
Total	Lumens	5277.0	0.0	5277.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.3	2.2
10°-20°	285.8	5.4
20°-30°	457.3	8.7
30°-40°	774.0	14.7
40°-50°	1270.7	24.1
50°-60°	1396.6	26.5
60°-70°	801.1	15.2
70°-80°	163.7	3.1
80°-90°	9.7	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°	5277.0	100.0
0°-180°	5277.0	100.0

Coefficient of Utilization



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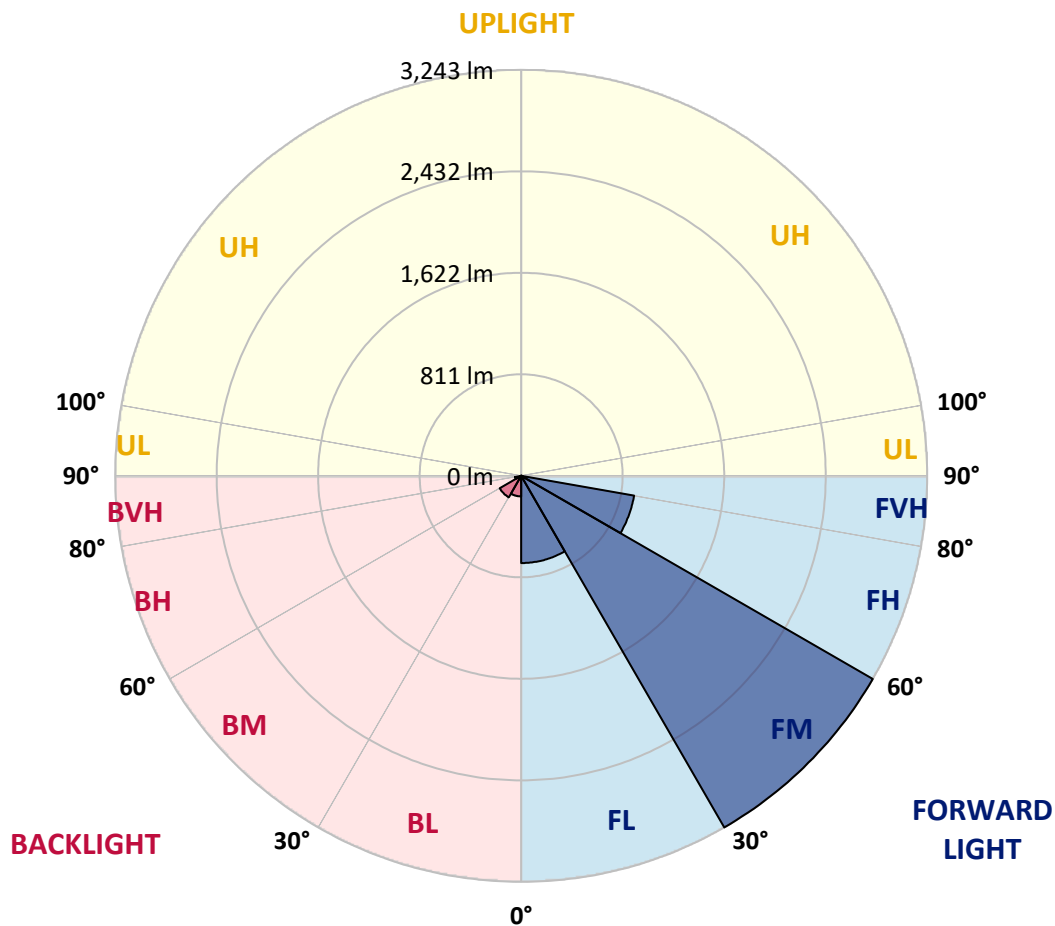
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	696.9	13.2			
FM	(30°-60°)	3243.3	61.5			
FH	(60°-80°)	915.7	17.4			G1/1800
FVH	(80°-90°)	9.0	0.2			G0/10
BL	(0°-30°)	164.5	3.1	B1/500		
BM	(30°-60°)	197.9	3.8	B0/220		
BH	(60°-80°)	49.0	0.9	B0/110		G0/110
BVH	(80°-90°)	0.7	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°	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6
2.5°	1577.8	1558.0	1555.0	1551.1	1513.4	1485.1	1444.1	1399.2	1348.7	1297.3	1274.6
5°	1822.8	1807.2	1804.3	1786.1	1743.1	1695.0	1622.1	1530.0	1435.9	1325.3	1277.8
7.5°	1870.3	1867.4	1880.8	1880.1	1874.3	1836.2	1774.7	1665.0	1523.8	1359.8	1286.3
10°	1658.5	1666.0	1705.7	1740.5	1834.6	1889.2	1875.9	1785.4	1614.3	1399.2	1295.7
12.5°	1465.6	1456.8	1485.1	1524.5	1633.8	1796.5	1917.9	1886.0	1717.7	1443.8	1309.7
15°	1344.5	1340.9	1356.9	1375.1	1458.4	1622.4	1869.0	1967.6	1817.3	1496.5	1330.8
17.5°	1305.8	1302.9	1307.7	1312.3	1366.3	1493.2	1752.9	2017.7	1912.6	1556.7	1354.3
20°	1337.4	1333.5	1332.8	1329.2	1351.7	1438.2	1647.8	2021.3	1998.2	1611.3	1374.5
22.5°	1429.4	1424.9	1408.9	1394.6	1396.6	1445.7	1600.9	1985.5	2062.7	1662.4	1387.1
25°	1596.4	1588.9	1555.7	1507.5	1476.9	1497.8	1608.1	1938.4	2124.2	1702.4	1381.0
27.5°	1805.3	1795.5	1752.9	1681.3	1611.3	1586.0	1659.8	1905.8	2175.2	1733.0	1367.6
30°	2009.9	1997.2	1955.3	1899.6	1797.5	1717.4	1753.2	1920.1	2236.1	1764.9	1350.0
32.5°	2230.9	2218.8	2163.2	2094.2	2009.6	1901.9	1881.1	1990.1	2310.6	1809.5	1337.7
35°	2510.4	2491.5	2412.4	2318.4	2228.6	2119.6	2054.2	2110.8	2409.8	1877.5	1344.5
37.5°	2828.6	2803.2	2718.0	2588.2	2471.0	2349.0	2265.0	2276.8	2555.3	1968.6	1365.7
40°	3128.6	3105.5	3026.8	2904.4	2757.4	2609.3	2519.8	2493.8	2756.1	2079.6	1402.8
42.5°	3308.6	3287.7	3254.6	3202.8	3078.8	2927.9	2815.0	2758.7	2993.6	2212.3	1448.0
45°	3318.7	3300.4	3345.0	3405.2	3380.8	3280.3	3142.6	3039.5	3232.1	2337.0	1494.8
47.5°	3157.3	3144.9	3280.3	3490.5	3595.2	3637.5	3510.6	3296.9	3429.0	2426.4	1514.0
50°	2717.3	2712.8	2991.3	3377.2	3676.9	3950.6	3898.8	3536.3	3581.6	2472.6	1495.8
52.5°	2356.2	2339.6	2501.9	3014.7	3558.1	4115.2	4278.2	3771.3	3688.3	2481.4	1453.2
55°	1787.0	1772.4	1976.1	2408.2	3175.2	4056.6	4555.8	4013.7	3764.8	2459.0	1376.7
57.5°	958.6	949.5	1206.9	1602.9	2482.1	3705.2	4605.9	4270.1	3829.2	2399.4	1269.7
60°	373.2	371.6	467.9	777.7	1508.5	3014.4	4353.1	4424.0	3869.5	2326.2	1180.2
62.5°	225.8	230.7	246.3	349.1	666.4	1872.6	3770.3	4249.0	3896.6	2259.2	1106.3
65°	186.8	187.1	189.1	239.8	319.2	783.5	2838.4	3673.0	3829.8	2139.8	1001.6
67.5°	160.1	163.0	170.5	190.4	225.2	343.6	1634.1	2845.2	3424.1	1861.9	838.2
70°	126.3	130.2	139.6	156.5	173.8	215.1	603.9	1893.1	2615.8	1403.4	633.9
72.5°	106.4	106.1	111.0	127.2	138.0	151.3	232.3	1060.8	1520.2	670.0	313.7
75°	82.3	85.6	91.8	106.4	112.9	109.7	125.9	387.5	544.7	203.0	106.7
77.5°	64.4	67.0	72.6	86.9	93.4	77.8	72.6	138.6	175.1	72.9	48.2
80°	29.0	31.2	49.5	64.1	76.1	53.7	39.4	70.9	77.8	33.2	24.4
82.5°	5.2	8.8	29.0	33.8	39.0	34.8	20.5	36.8	38.1	13.3	8.5
85°	0.3	0.7	10.1	12.4	15.6	11.4	6.2	14.6	12.7	4.6	3.3
87.5°	0.0	0.0	0.0	0.3	0.3	1.6	2.0	2.6	2.0	1.6	1.3
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6	1271.6
2.5°	1251.1	1204.9	1160.0	1123.2	1101.8	1065.3	1041.3	1037.3	1027.3	1036.0
5°	1227.0	1144.4	1060.8	985.9	924.4	845.0	785.8	760.8	739.0	746.4
7.5°	1215.7	1085.2	955.0	827.1	695.7	568.8	474.4	435.0	405.1	409.3
10°	1200.4	1023.7	819.7	624.4	448.4	323.1	258.0	234.0	220.6	220.9
12.5°	1188.7	950.1	662.5	423.3	273.0	206.3	186.1	180.3	176.4	176.7
15°	1182.8	863.6	507.3	282.1	195.2	174.7	169.9	167.3	164.6	164.3
17.5°	1173.0	767.3	371.3	206.0	170.8	163.7	159.4	156.5	153.3	152.6
20°	1158.4	657.9	271.4	174.1	160.1	154.6	148.7	144.8	140.9	140.2
22.5°	1131.4	542.4	208.6	161.1	152.3	146.1	138.9	134.4	130.5	129.8
25°	1081.3	434.1	175.7	152.9	145.4	138.0	130.2	124.0	120.4	119.7
27.5°	1017.8	341.0	159.4	145.4	136.7	129.8	121.0	115.2	111.9	111.3
30°	943.0	262.6	150.0	137.0	126.3	120.4	112.6	107.7	105.8	105.8
32.5°	862.3	209.9	146.1	128.5	117.1	110.6	104.5	102.5	101.8	101.5
35°	786.5	182.2	144.1	121.7	109.0	102.8	100.2	100.5	101.8	101.8
37.5°	719.1	173.4	143.2	116.8	101.8	96.3	97.9	100.9	99.6	99.6
40°	658.3	174.4	142.5	113.2	96.0	92.7	96.0	93.7	90.5	90.1
42.5°	611.7	182.5	141.2	110.3	92.4	90.1	88.8	85.3	84.9	85.6
45°	577.9	189.7	140.9	109.0	88.5	84.3	82.6	79.1	85.6	87.2
47.5°	537.9	189.7	140.9	104.5	82.0	80.4	77.8	73.9	80.4	82.0
50°	486.1	177.7	135.4	99.2	76.8	75.8	71.3	66.4	65.1	66.1
52.5°	420.7	155.9	121.4	92.1	71.6	69.6	64.1	60.5	59.5	59.5
55°	346.2	130.5	102.5	81.7	66.1	62.5	58.6	56.9	56.0	55.3
57.5°	281.5	107.1	82.3	72.6	60.8	56.3	55.0	53.0	51.4	50.4
60°	231.0	84.3	68.0	64.4	55.6	51.4	51.1	48.5	44.3	43.6
62.5°	178.3	61.8	57.3	56.0	50.4	46.9	46.2	41.0	34.5	33.2
65°	125.9	48.2	46.2	49.1	44.9	41.7	40.0	32.2	25.4	24.4
67.5°	88.5	40.3	36.4	43.0	39.0	34.8	33.8	27.3	21.2	20.5
70°	63.1	32.9	29.9	36.8	31.2	30.6	28.6	22.8	17.2	16.6
72.5°	44.6	25.1	23.1	31.9	21.5	26.4	23.4	17.6	13.0	12.4
75°	32.9	17.9	16.3	18.5	15.6	19.8	16.6	11.7	8.1	7.8
77.5°	24.1	11.4	9.8	9.1	9.1	12.4	9.1	4.9	3.6	3.3
80°	16.9	5.2	4.6	3.9	3.6	2.9	1.3	0.7	0.3	0.3
82.5°	10.1	2.3	2.3	1.6	1.0	0.0	0.0	0.0	0.0	0.0
85°	2.3	1.0	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.3	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)