

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: P945200

Luminaire Tested: **GALN-SB1B-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945200
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
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-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3940 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - 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



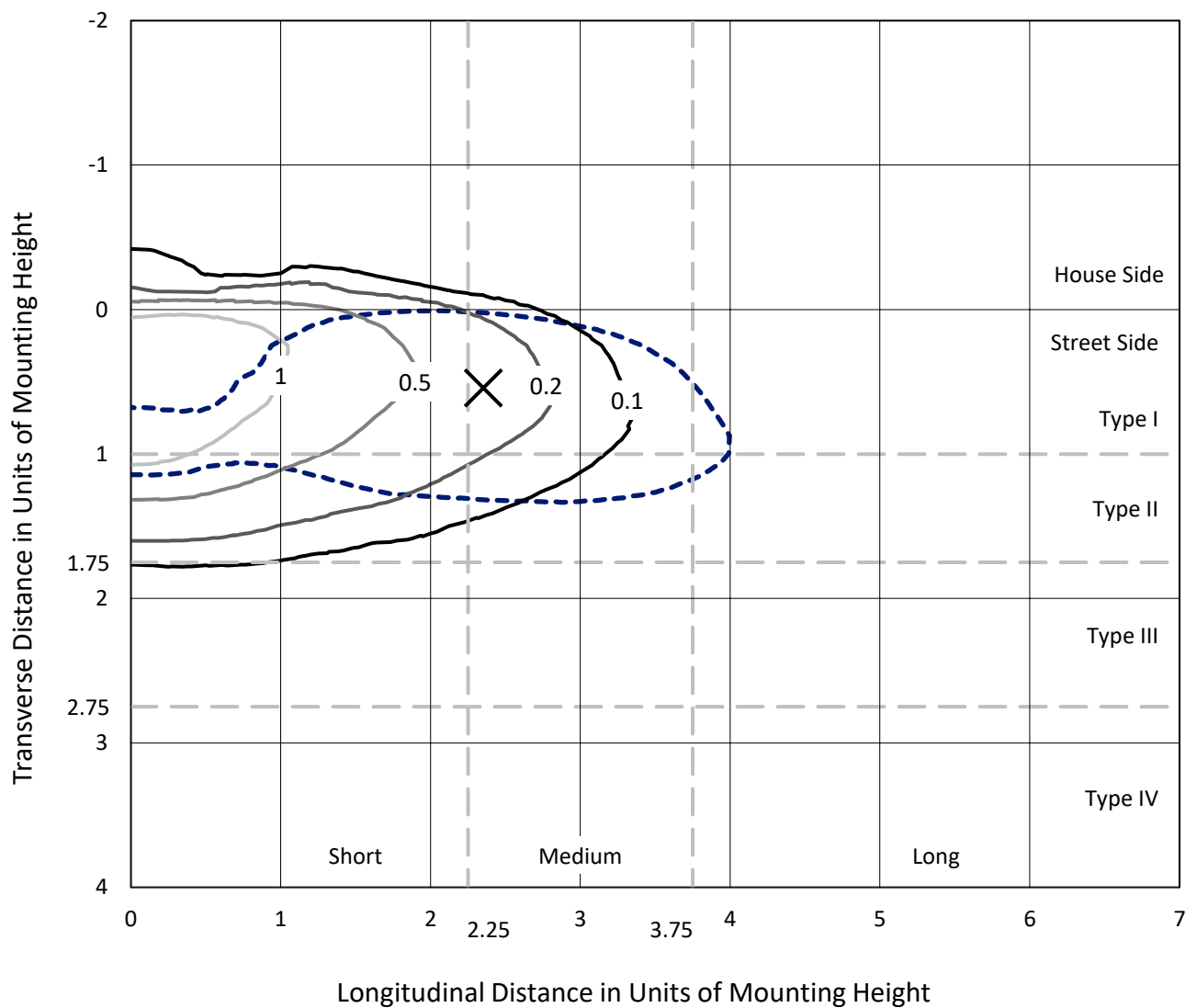
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Iso-Footcandle Lines of Horizontal Illumination

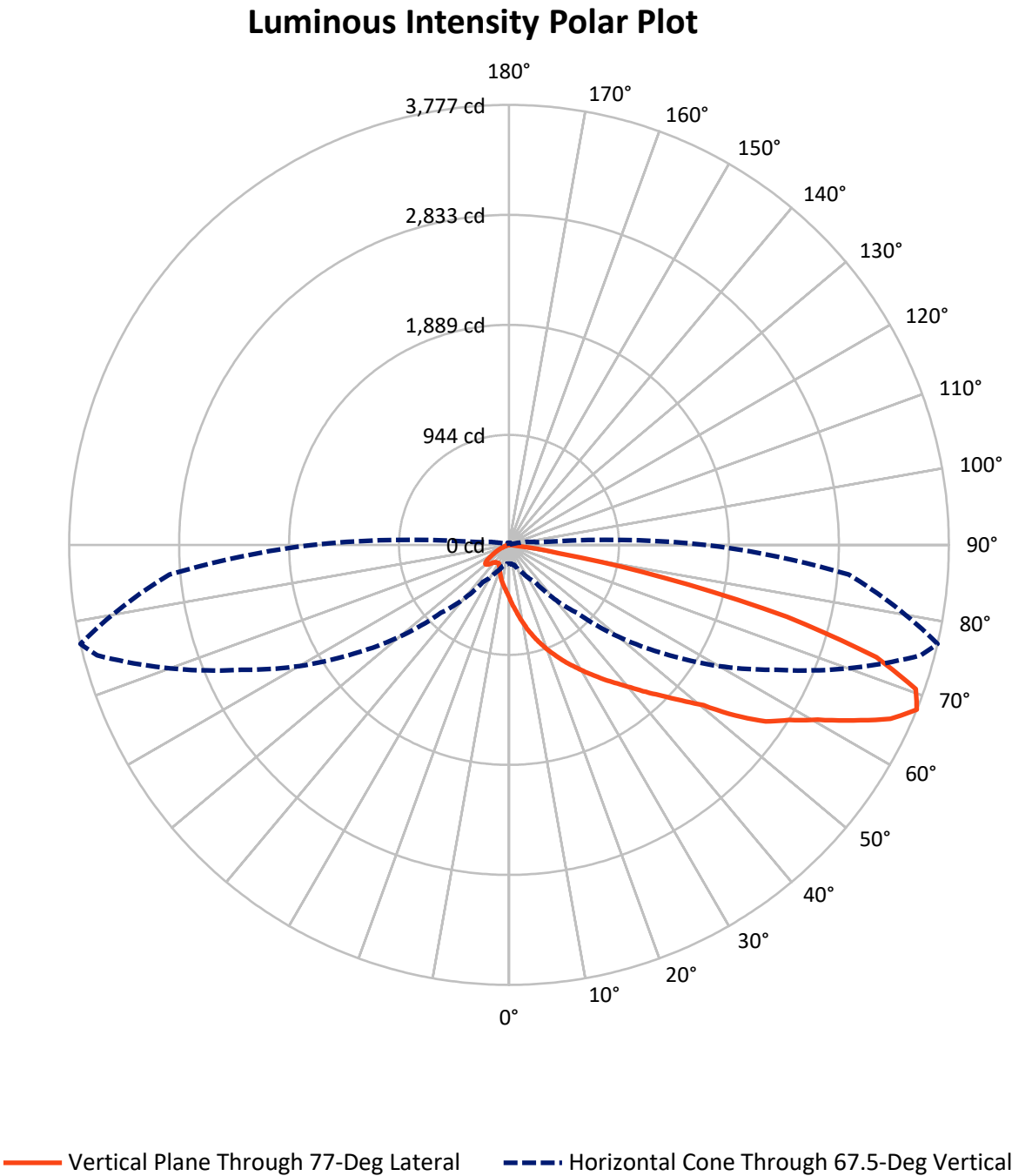
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	289.9	0.0	289.9
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	3650.1	0.0	3650.1
	% Fixture	92.6	0.0	92.6
Total	Lumens	3940.0	0.0	3940.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.4	1.2
10°-20°	162.4	4.1
20°-30°	313.4	8.0
30°-40°	544.0	13.8
40°-50°	789.9	20.0
50°-60°	907.1	23.0
60°-70°	787.5	20.0
70°-80°	370.9	9.4
80°-90°	18.3	0.5
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°	3940.0	100.0
0°-180°	3940.0	100.0

Coefficient of Utilization



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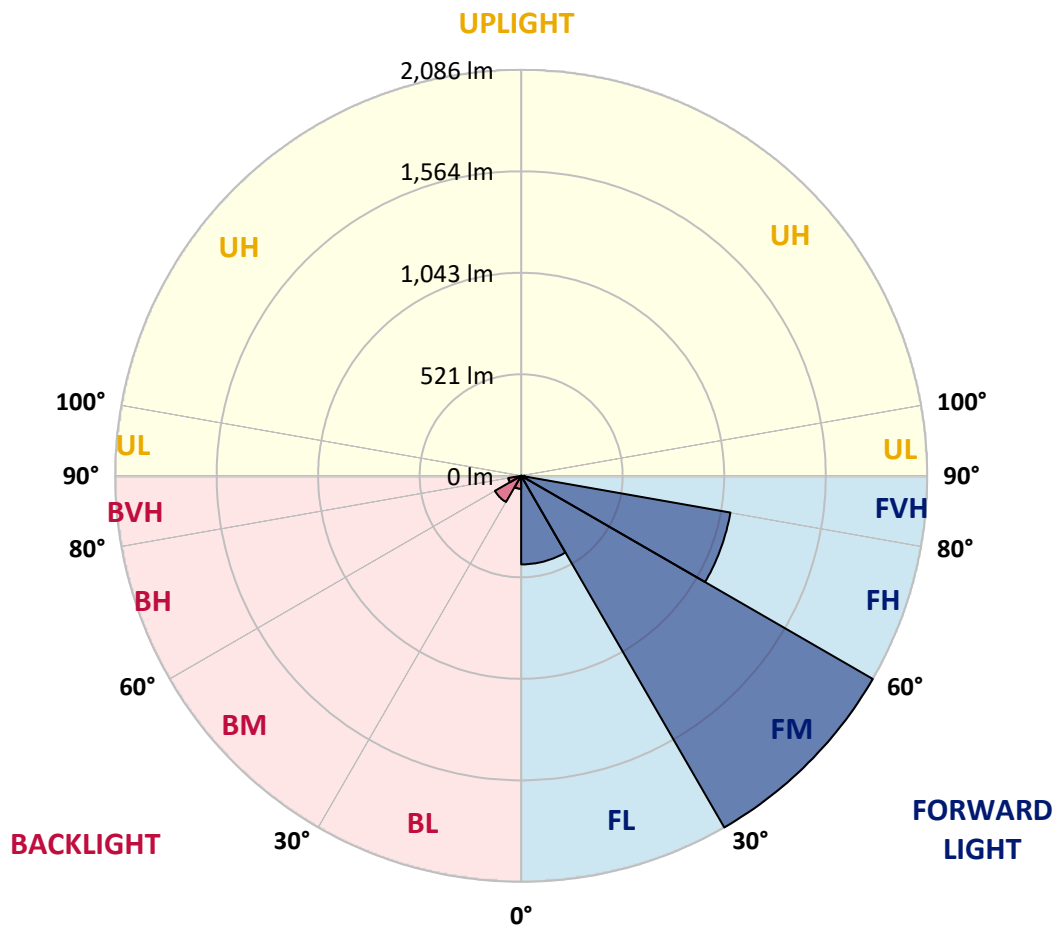
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	455.0	11.5			
FM	(30°-60°)	2085.7	52.9			
FH	(60°-80°)	1091.4	27.7			G1/1800
FVH	(80°-90°)	18.0	0.5			G1/100
BL	(0°-30°)	67.1	1.7	B0/110		
BM	(30°-60°)	155.3	3.9	B0/220		
BH	(60°-80°)	67.1	1.7	B0/110		G0/110
BVH	(80°-90°)	0.3	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3
2.5°	629.0	632.9	627.3	616.6	600.4	589.9	564.2	540.0	513.1	504.5	477.6
5°	766.8	770.2	763.8	752.1	730.6	710.0	676.2	625.6	573.0	556.1	508.4
7.5°	868.8	870.8	868.3	857.5	837.0	813.8	776.1	716.1	638.1	619.5	546.3
10°	942.2	948.6	947.8	943.7	930.0	911.1	871.0	802.7	711.0	687.0	589.1
12.5°	990.9	998.0	1002.1	1011.4	1010.7	998.7	963.5	891.3	783.7	755.5	637.3
15°	1005.1	1012.7	1028.6	1050.1	1069.2	1075.3	1050.6	978.2	863.7	827.7	686.8
17.5°	997.0	1008.7	1027.8	1061.8	1103.7	1131.3	1128.6	1062.1	936.3	895.2	735.2
20°	1014.9	1026.1	1041.0	1069.7	1118.4	1168.5	1188.6	1142.3	1008.5	965.4	786.1
22.5°	1113.7	1111.8	1113.2	1117.9	1147.0	1196.6	1238.0	1215.2	1079.9	1035.9	839.9
25°	1270.3	1261.5	1246.6	1221.4	1214.0	1238.0	1281.1	1279.8	1155.3	1108.1	895.0
27.5°	1449.9	1448.4	1413.4	1352.7	1318.5	1309.2	1329.7	1342.7	1229.9	1179.5	950.3
30°	1621.9	1625.8	1578.6	1511.0	1448.2	1411.7	1393.1	1402.4	1305.8	1256.6	1007.3
32.5°	1771.6	1775.8	1724.4	1645.4	1567.6	1523.5	1484.4	1461.4	1388.5	1334.9	1069.9
35°	1898.1	1902.3	1843.3	1755.9	1673.0	1633.1	1588.8	1526.0	1471.7	1421.7	1139.6
37.5°	2011.1	2009.9	1930.9	1842.8	1761.3	1729.8	1706.5	1605.5	1557.3	1509.1	1217.0
40°	2077.9	2083.1	2015.5	1918.4	1839.4	1816.4	1814.9	1704.1	1656.1	1609.4	1301.6
42.5°	2097.5	2106.6	2057.6	1977.9	1906.2	1881.2	1919.6	1810.8	1771.1	1725.6	1397.3
45°	2062.3	2071.1	2048.8	1993.5	1951.7	1935.5	2009.7	1921.3	1893.9	1848.9	1505.2
47.5°	1959.5	1970.5	1975.9	1964.2	1963.7	1980.1	2090.4	2037.8	2039.8	1993.8	1630.2
50°	1760.6	1779.2	1828.6	1870.2	1934.6	2015.3	2168.9	2164.0	2204.2	2164.5	1793.1
52.5°	1399.0	1425.4	1595.7	1709.5	1854.1	2008.7	2255.3	2366.6	2492.6	2434.6	2022.9
55°	1124.2	1124.2	1262.7	1475.6	1697.0	1965.1	2293.0	2498.3	2689.1	2675.4	2184.6
57.5°	916.5	927.5	1015.8	1204.0	1469.7	1861.4	2316.2	2581.0	2847.4	2837.4	2342.7
60°	565.7	589.4	756.3	942.0	1211.1	1676.7	2301.5	2664.6	3039.5	3047.5	2533.0
62.5°	318.6	327.4	401.7	677.7	941.7	1428.3	2189.2	2711.4	3285.1	3319.3	2729.2
65°	220.0	224.4	253.0	421.8	652.8	1137.2	1969.8	2682.2	3531.2	3600.5	2895.6
67.5°	159.8	162.0	179.8	257.6	387.3	824.5	1625.8	2535.4	3661.6	3777.4	2927.4
70°	122.8	124.3	137.3	169.3	228.8	508.9	1180.7	2243.6	3567.2	3705.4	2764.5
72.5°	99.8	101.3	111.3	125.3	151.7	300.9	715.6	1822.0	3150.3	3299.5	2353.4
75°	84.2	86.1	95.2	104.2	118.9	193.3	335.7	1268.8	2369.1	2466.9	1636.6
77.5°	46.7	43.1	77.3	86.4	100.3	122.3	157.1	746.7	1326.8	1354.0	726.2
80°	29.1	30.1	61.4	69.5	77.1	61.7	71.9	287.5	460.0	437.0	140.7
82.5°	1.7	3.9	47.2	50.2	52.8	26.4	27.2	97.6	110.8	101.8	25.0
85°	0.0	0.0	21.5	17.4	18.3	7.6	7.8	22.8	14.9	16.1	4.9
87.5°	0.0	0.0	0.0	0.5	0.0	0.7	1.5	2.0	0.7	1.0	1.7
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°	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3	454.3
2.5°	460.5	443.3	408.6	374.6	346.9	321.2	302.9	285.5	276.7	276.2	275.7
5°	474.4	438.4	369.0	307.5	258.1	218.5	192.8	174.4	165.1	162.0	161.5
7.5°	494.0	439.9	334.2	248.8	190.6	156.6	141.9	136.0	134.1	131.9	131.4
10°	518.7	443.3	303.1	200.4	150.2	133.1	127.2	124.8	123.3	121.8	121.4
12.5°	546.3	446.5	272.3	166.4	132.1	123.3	119.2	116.2	114.3	112.5	112.1
15°	573.2	448.5	240.3	142.6	122.8	115.7	111.3	108.1	105.4	103.5	103.2
17.5°	599.9	451.2	210.2	128.4	115.2	108.1	103.7	99.8	97.6	95.4	95.2
20°	629.5	450.7	181.8	118.4	107.7	100.6	95.9	92.2	90.0	87.6	87.3
22.5°	656.9	448.2	156.8	109.9	99.8	93.0	87.8	84.2	82.0	80.0	79.8
25°	688.5	446.3	136.0	102.0	92.5	85.6	80.0	76.6	74.1	72.4	72.2
27.5°	718.8	443.3	120.9	94.9	85.4	78.8	73.4	69.5	67.3	66.1	66.1
30°	748.7	442.6	115.2	88.1	79.0	72.4	67.0	63.4	61.7	61.2	60.9
32.5°	784.6	444.6	117.7	85.6	73.2	66.5	61.4	58.7	57.0	57.0	57.0
35°	823.0	444.1	121.4	87.8	69.2	60.7	56.8	55.0	53.3	53.3	53.3
37.5°	871.2	444.8	124.3	91.5	67.8	55.8	53.6	51.4	50.4	50.4	50.4
40°	943.2	469.0	122.8	94.7	67.3	52.4	48.0	47.2	46.5	46.5	46.5
42.5°	1031.3	521.6	124.8	94.9	67.0	49.9	44.0	45.5	43.8	43.6	43.3
45°	1127.7	579.1	137.3	89.8	66.8	48.7	42.1	43.8	41.1	41.1	41.1
47.5°	1223.3	636.1	150.0	82.5	66.1	48.4	40.4	39.4	38.7	38.9	38.9
50°	1355.2	682.6	154.9	72.4	64.3	48.0	37.2	37.4	36.9	37.4	37.4
52.5°	1498.8	692.4	149.0	61.2	59.5	46.5	35.0	36.0	35.7	36.2	36.2
55°	1588.4	681.9	123.1	50.9	51.9	40.6	32.8	34.7	34.7	34.7	34.7
57.5°	1680.8	637.1	87.3	41.3	43.1	33.3	30.8	33.5	33.3	33.0	33.0
60°	1747.4	564.7	57.5	34.0	34.3	27.4	28.6	31.6	31.3	30.1	30.1
62.5°	1797.1	484.7	36.9	28.9	26.2	24.7	26.2	28.6	27.6	25.0	24.5
65°	1791.4	373.8	28.4	24.7	21.5	21.5	22.8	25.0	22.0	17.6	17.1
67.5°	1687.0	253.0	23.5	20.8	18.1	17.9	18.8	20.8	18.8	14.9	14.4
70°	1500.3	165.4	18.8	16.1	14.4	13.2	15.2	17.9	15.9	12.0	11.5
72.5°	1217.7	100.8	14.2	11.7	10.5	8.6	12.0	14.7	12.7	8.8	8.3
75°	787.8	51.4	9.8	7.6	5.6	5.1	8.8	11.0	8.8	5.4	4.6
77.5°	301.4	21.5	5.4	3.4	2.9	2.4	4.9	6.6	3.7	1.2	1.0
80°	58.0	9.1	2.7	1.7	1.5	1.0	0.7	0.5	0.0	0.0	0.0
82.5°	10.0	2.9	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.2	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)