

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: P945549

Luminaire Tested: **GALN-SB1C-722-U-SL2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945549
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-11)
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-SL2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5016 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

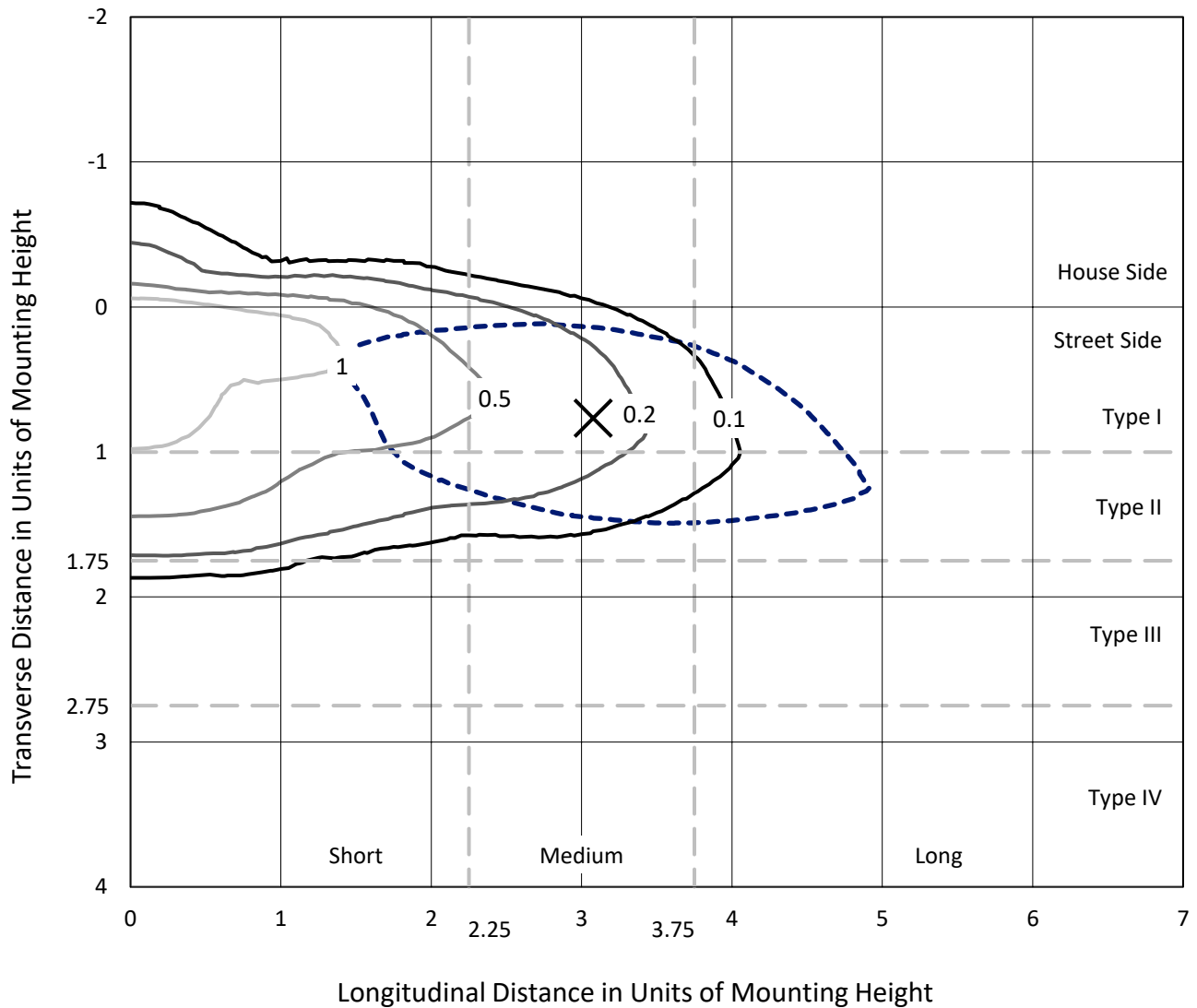
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

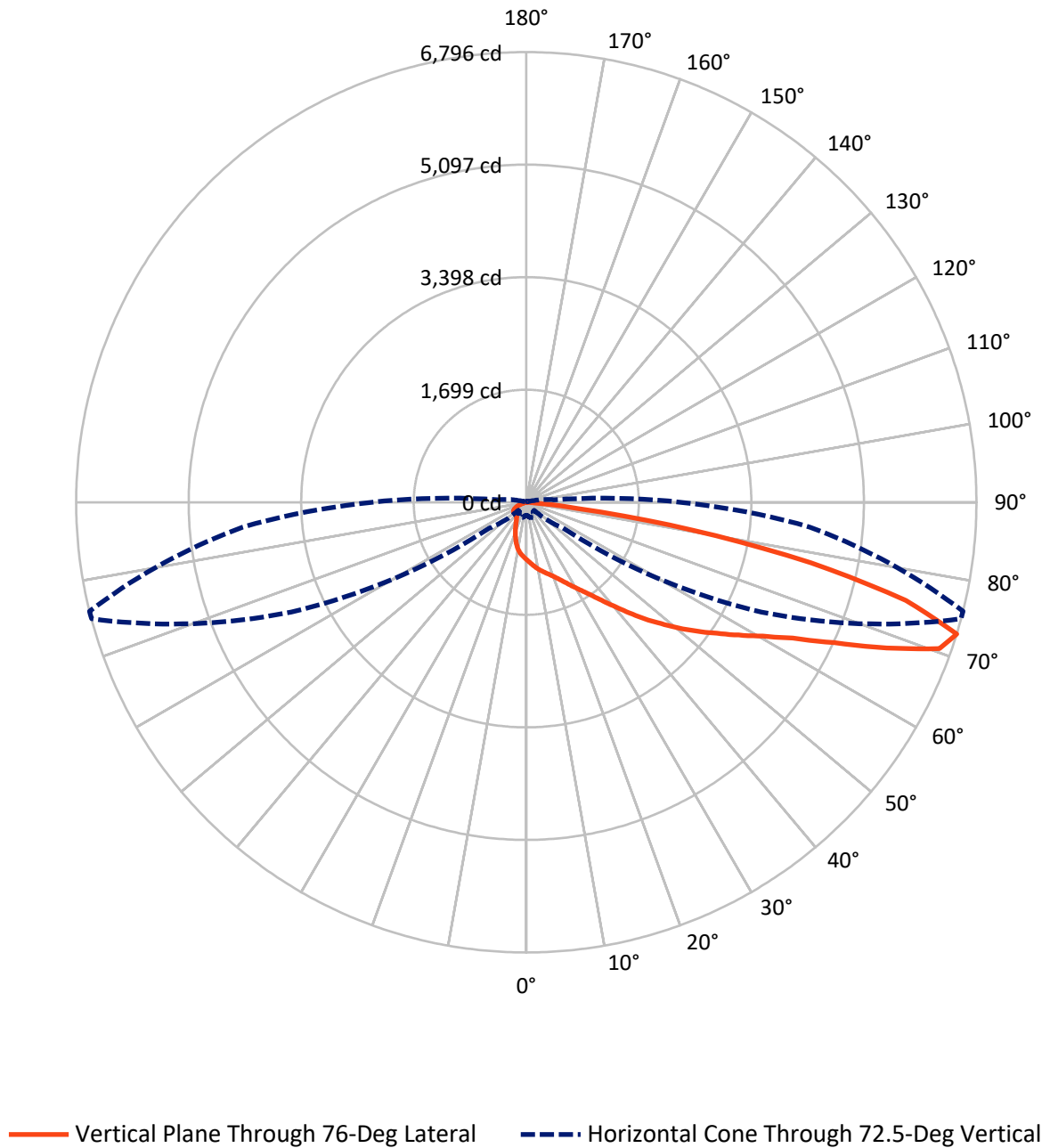
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	513.4	0.0	513.4
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	4502.6	0.0	4502.6
	% Fixture	89.8	0.0	89.8
Total	Lumens	5016.0	0.0	5016.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.8	1.6
10°-20°	211.4	4.2
20°-30°	334.6	6.7
30°-40°	517.6	10.3
40°-50°	786.2	15.7
50°-60°	1083.8	21.6
60°-70°	1145.0	22.8
70°-80°	785.5	15.7
80°-90°	73.1	1.5
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°	5016.0	100.0
0°-180°	5016.0	100.0

Coefficient of Utilization



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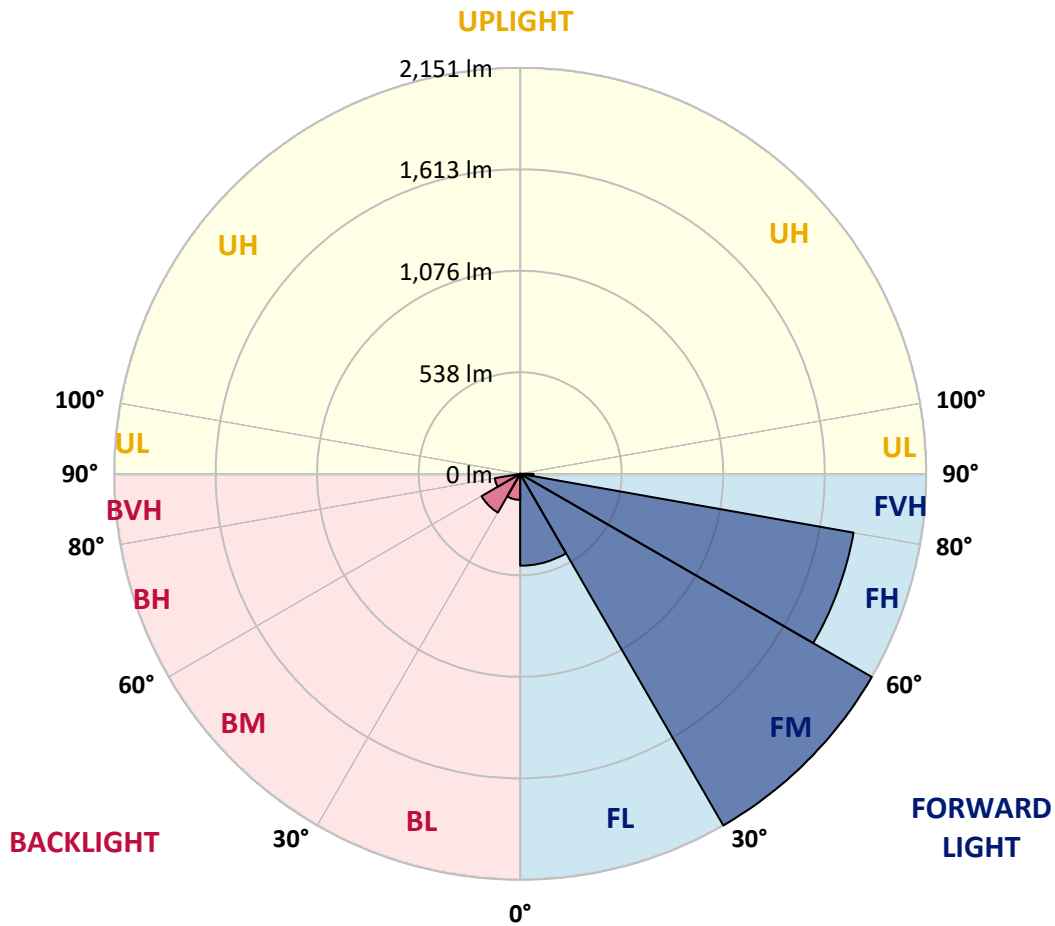
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	486.8	9.7			
FM (30°-60°)	2151.3	42.9			
FH (60°-80°)	1793.4	35.8			G1/1800
FVH (80°-90°)	71.1	1.4			G1/100
BL (0°-30°)	138.0	2.8	B1/500		
BM (30°-60°)	236.4	4.7	B1/1000		
BH (60°-80°)	137.0	2.7	B1/500		G1/500
BVH (80°-90°)	2.0	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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	866.8	866.8	866.8	866.8	866.8	866.8	866.8	866.8	866.8	866.8	866.8
2.5°	1007.7	994.4	997.0	983.6	977.4	962.5	946.9	926.4	903.6	903.6	881.5
5°	1113.8	1105.3	1105.3	1089.7	1077.7	1054.2	1026.2	990.1	947.2	942.9	901.0
7.5°	1178.8	1173.6	1176.9	1167.8	1158.0	1133.6	1100.4	1053.3	992.4	987.2	924.1
10°	1191.5	1191.2	1200.3	1202.9	1209.4	1197.1	1167.5	1113.1	1037.0	1029.5	943.9
12.5°	1142.4	1136.2	1158.7	1185.0	1222.1	1238.7	1223.4	1167.8	1077.7	1067.2	962.5
15°	1061.7	1063.0	1084.5	1125.2	1187.0	1246.2	1266.0	1221.1	1119.0	1106.6	980.0
17.5°	1015.5	1010.6	1029.2	1065.6	1133.9	1217.6	1285.9	1270.9	1162.9	1148.9	997.9
20°	1010.0	1009.6	1013.9	1030.5	1082.5	1176.6	1283.6	1319.4	1214.6	1198.4	1023.6
22.5°	1048.4	1047.7	1044.1	1040.9	1055.2	1136.5	1273.9	1365.6	1276.5	1258.9	1060.1
25°	1107.3	1106.3	1100.8	1080.9	1066.9	1115.1	1264.7	1408.6	1349.7	1330.1	1104.3
27.5°	1179.2	1178.5	1168.4	1138.5	1102.4	1117.0	1260.2	1452.8	1434.3	1415.1	1155.4
30°	1267.3	1266.0	1245.2	1202.9	1155.7	1147.9	1266.4	1502.6	1522.4	1507.8	1214.3
32.5°	1378.0	1374.4	1347.1	1283.3	1217.2	1189.3	1278.1	1553.7	1626.9	1613.2	1293.1
35°	1463.6	1458.0	1442.1	1385.8	1288.5	1240.0	1305.4	1614.2	1752.5	1740.4	1393.6
37.5°	1537.1	1531.6	1518.5	1472.3	1390.7	1304.8	1349.3	1694.9	1900.9	1895.0	1516.3
40°	1616.5	1607.4	1601.2	1551.7	1477.9	1398.2	1412.1	1789.3	2071.7	2072.3	1663.7
42.5°	1677.7	1674.1	1674.7	1636.7	1562.1	1508.8	1495.4	1895.7	2276.3	2282.5	1841.0
45°	1730.0	1727.1	1739.1	1712.5	1647.1	1581.3	1593.1	2016.0	2500.2	2512.9	2039.5
47.5°	1770.4	1773.6	1790.9	1773.6	1735.2	1632.4	1679.6	2145.9	2735.5	2737.1	2244.5
50°	1810.7	1812.0	1840.7	1832.2	1816.6	1697.2	1759.3	2291.0	2983.4	2986.3	2436.1
52.5°	1823.4	1821.5	1867.0	1887.8	1888.5	1777.2	1862.5	2449.1	3226.5	3235.9	2633.3
55°	1758.3	1763.9	1837.4	1922.0	1955.5	1887.8	2001.7	2649.2	3485.5	3489.4	2828.5
57.5°	1440.1	1470.7	1633.4	1829.6	1998.8	2046.3	2201.8	2883.2	3784.5	3780.9	3026.3
60°	874.0	910.4	1105.0	1534.5	1857.6	2205.4	2496.6	3245.7	4111.2	4101.1	3226.5
62.5°	488.7	499.8	561.9	918.5	1412.8	2104.2	2784.6	3711.3	4549.8	4515.6	3423.3
65°	360.2	363.8	378.4	450.0	694.4	1618.4	2721.5	4268.0	5166.0	5105.2	3659.2
67.5°	313.0	316.6	330.9	340.7	310.1	850.2	2242.2	4576.8	5948.6	5868.9	3978.4
70°	263.6	265.5	288.6	295.1	221.9	323.4	1440.5	4481.4	6672.9	6615.9	4321.0
72.5°	196.5	204.3	237.9	253.5	178.0	171.8	678.1	3918.2	6795.5	6796.2	4297.9
75°	133.4	140.6	179.0	208.6	137.3	120.4	273.6	2925.8	5917.3	5917.3	3767.6
77.5°	91.1	97.0	124.6	163.7	104.1	82.6	141.9	1856.9	4245.2	4394.6	2685.3
80°	40.3	43.9	80.4	118.8	79.1	53.4	80.4	1016.8	2567.2	2535.7	1052.6
82.5°	19.8	22.8	51.4	74.2	51.1	32.9	42.3	483.5	832.0	790.7	164.3
85°	3.9	5.2	27.7	31.6	23.8	14.6	15.9	148.7	100.2	114.5	34.8
87.5°	0.0	0.0	8.5	5.9	2.6	3.3	3.3	13.3	7.8	9.1	9.1
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°	866.8	866.8	866.8	866.8	866.8	866.8	866.8	866.8	866.8	866.8	866.8
2.5°	869.7	857.7	831.3	805.3	778.6	754.2	737.3	720.4	710.0	705.4	706.1
5°	876.6	852.2	796.9	738.9	681.7	625.7	583.7	544.4	532.0	511.5	512.8
7.5°	887.3	847.6	760.4	662.8	569.7	487.7	428.5	381.3	362.5	344.3	343.9
10°	894.5	839.2	712.3	581.8	455.9	363.8	307.2	273.0	260.6	249.6	249.2
12.5°	897.4	823.5	656.9	491.0	354.7	277.2	243.4	227.4	223.2	219.3	219.3
15°	900.0	808.2	595.1	403.5	280.2	232.0	218.7	213.4	210.5	207.9	207.9
17.5°	902.3	788.7	524.5	328.0	236.6	213.8	207.3	201.7	199.5	196.5	196.5
20°	910.1	769.8	461.4	270.7	212.8	200.8	193.6	187.7	185.8	183.8	184.2
22.5°	924.7	754.6	400.2	232.0	198.5	187.4	178.3	171.8	170.5	169.2	168.2
25°	942.3	735.7	342.6	206.9	184.5	172.1	162.0	156.5	155.2	155.5	154.9
27.5°	964.7	714.9	293.2	191.0	172.1	157.8	146.4	142.2	142.8	144.1	143.5
30°	989.5	695.7	254.4	179.9	161.1	145.1	133.7	130.8	133.1	135.0	134.4
32.5°	1026.2	678.7	227.4	171.1	151.3	134.7	125.6	122.0	124.6	127.2	126.6
35°	1076.4	670.3	212.1	163.7	142.8	126.6	117.5	114.9	117.5	118.1	117.8
37.5°	1137.8	669.6	205.6	157.5	135.0	119.7	109.7	108.7	110.6	111.0	110.3
40°	1217.2	673.9	200.8	152.9	126.9	111.9	102.5	101.5	102.2	104.4	104.1
42.5°	1317.8	691.4	193.9	147.1	118.1	104.1	96.6	94.4	94.0	96.6	96.3
45°	1444.0	730.1	184.8	137.6	110.3	97.6	90.1	87.5	86.6	87.2	88.2
47.5°	1581.7	777.7	175.7	128.8	104.8	92.4	84.9	81.7	80.0	80.0	80.0
50°	1715.1	831.3	169.5	119.7	100.9	87.5	79.4	76.1	73.5	72.9	72.6
52.5°	1847.2	884.1	164.6	110.6	96.3	81.3	74.2	70.6	67.7	66.4	65.7
55°	1967.6	934.2	156.2	101.8	90.5	74.8	69.0	65.4	61.8	59.5	58.6
57.5°	2083.1	975.8	140.6	92.7	81.3	68.7	63.4	59.5	55.3	52.4	51.1
60°	2188.2	997.3	121.0	83.0	72.2	62.1	57.3	53.7	48.2	43.3	42.0
62.5°	2268.2	988.8	99.9	71.9	62.8	56.3	50.1	46.5	40.0	34.2	31.9
65°	2350.2	942.6	79.7	60.2	55.0	48.5	42.0	38.4	30.9	24.7	23.1
67.5°	2456.6	844.0	62.8	50.1	47.5	38.4	32.9	30.6	25.4	19.5	18.2
70°	2524.9	655.6	48.8	40.7	39.0	28.0	25.4	25.1	20.2	15.0	13.3
72.5°	2337.5	429.8	37.4	30.9	28.0	18.2	19.5	19.5	14.6	10.1	8.8
75°	1951.3	251.5	27.0	22.1	15.9	11.7	13.3	13.3	9.1	4.9	3.9
77.5°	1393.6	134.1	17.9	13.7	8.1	5.2	7.2	6.8	2.9	0.3	0.0
80°	533.0	46.2	8.5	5.5	2.3	1.0	0.7	0.3	0.3	0.0	0.0
82.5°	81.3	12.0	1.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	14.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.3	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)