

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: P526541

Luminaire Tested: **GALN-SA1C-730-U-SL2-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526541  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1C-730-U-SL2-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3782 lumens  
Efficiency: N/A  
Efficacy: 66.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0

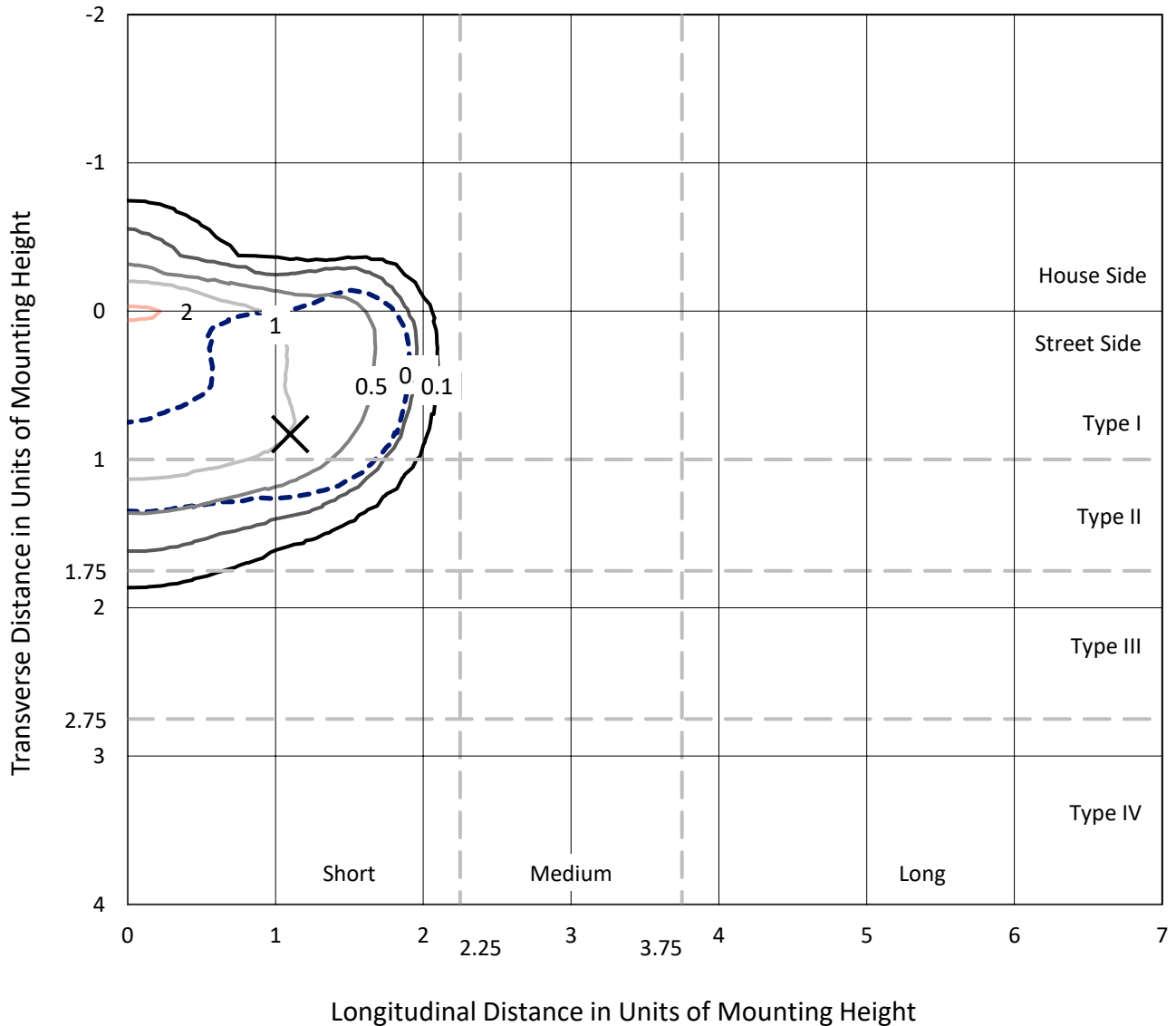
Input Watts (W): 57  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P526541  
 CATALOG NUMBER: GALN-SA1C-730-U-SL2-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

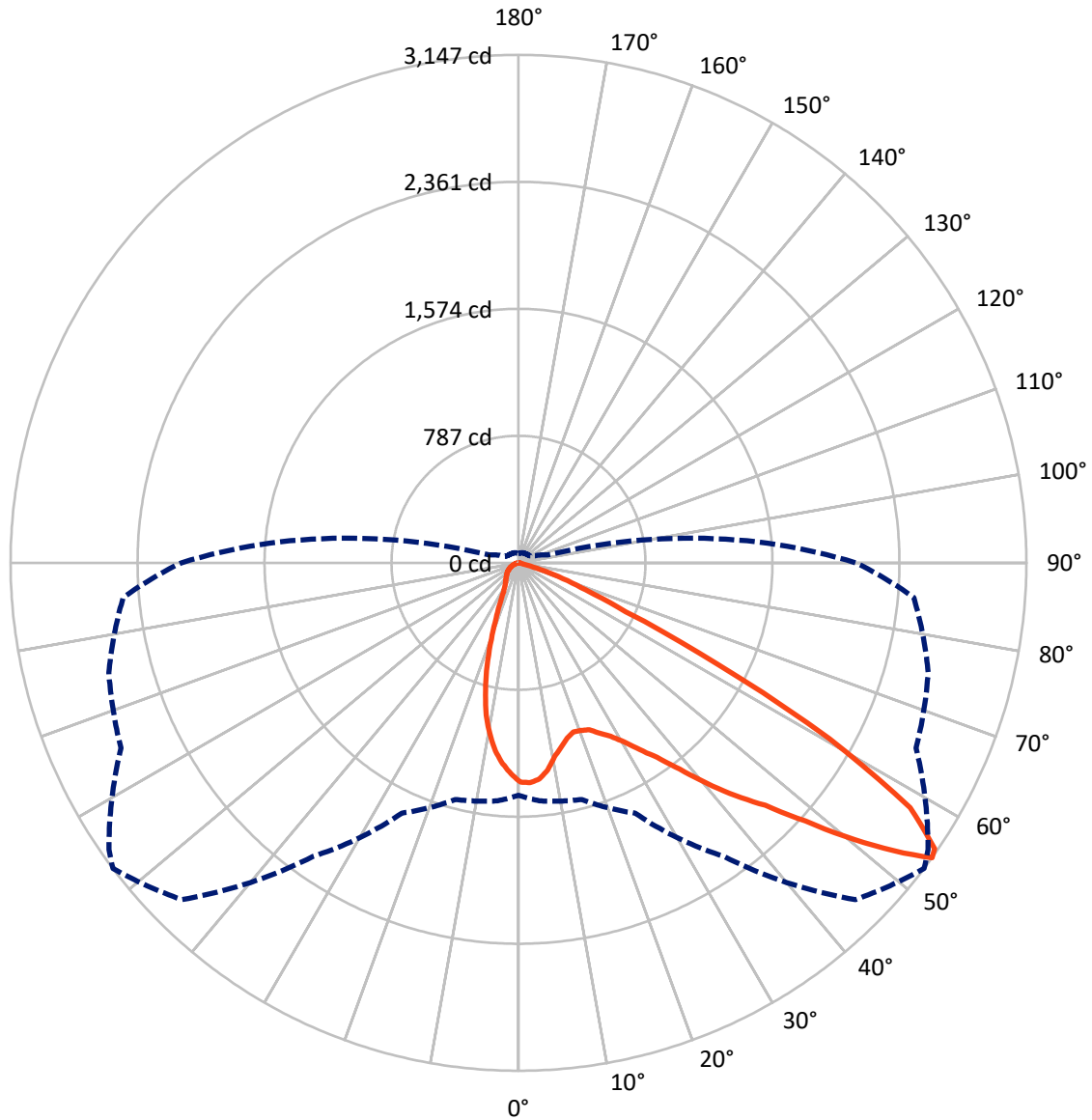
✕ Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P526541  
CATALOG NUMBER: GALN-SA1C-730-U-SL2-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral      - - - Horizontal Cone Through 54-Deg Vertical

REPORT NUMBER: P526541  
 CATALOG NUMBER: GALN-SA1C-730-U-SL2-GRSBK

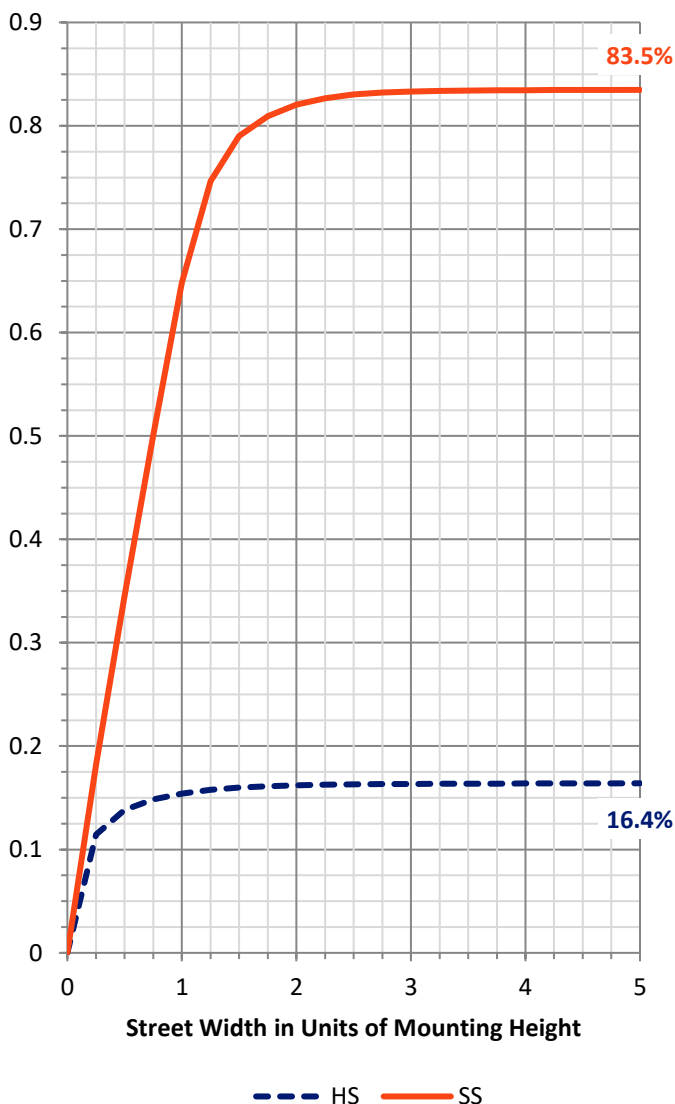
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	625.8	0.0	625.8
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	3156.3	0.0	3156.3
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	3782.0	0.0	3782.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.5	3.1
10°-20°	267.2	7.1
20°-30°	379.8	10.0
30°-40°	586.1	15.5
40°-50°	918.9	24.3
50°-60°	1067.5	28.2
60°-70°	403.4	10.7
70°-80°	38.4	1.0
80°-90°	4.3	0.1
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°	3782.0	100.0
0°-180°	3782.0	100.0

**Coefficient of Utilization**

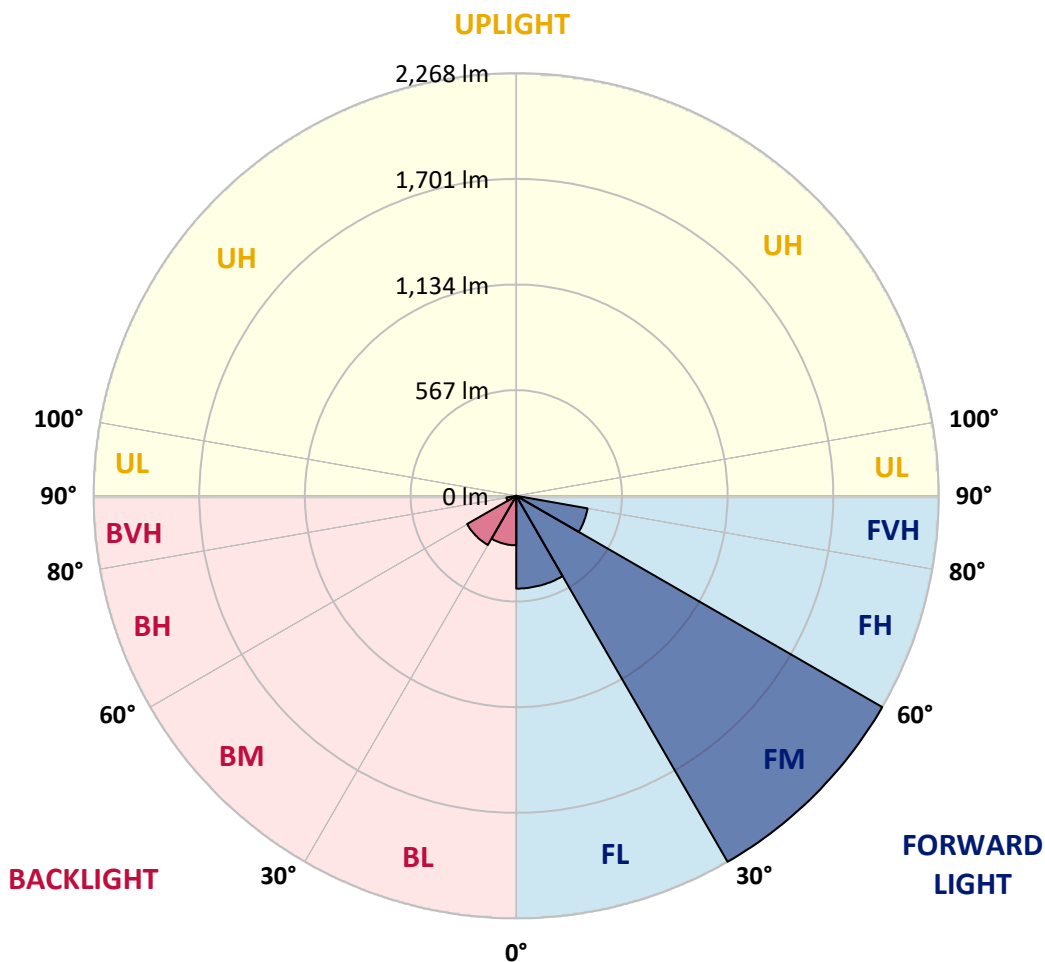


REPORT NUMBER: P526541  
 CATALOG NUMBER: GALN-SA1C-730-U-SL2-GRSBK

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	498.0	13.2			
FM (30°-60°)	2267.9	60.0			
FH (60°-80°)	388.1	10.3			G0/660
FVH (80°-90°)	2.2	0.1			G0/10
BL (0°-30°)	265.5	7.0	B1/500		
BM (30°-60°)	304.5	8.1	B1/1000		
BH (60°-80°)	53.6	1.4	B0/110		G0/110
BVH (80°-90°)	2.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**  
 Type II Short





REPORT NUMBER: P526541

CATALOG NUMBER: GALN-SA1C-730-U-SL2-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1358.4	1358.4	1358.4	1358.4	1358.4	1358.4	1358.4	1358.4	1358.4	1358.4	1358.4
2.5°	1351.4	1339.4	1351.4	1352.8	1361.2	1369.0	1364.1	1375.3	1369.0	1362.0	1359.8
5°	1242.2	1258.4	1259.1	1284.4	1278.8	1325.3	1345.7	1340.1	1374.6	1372.5	1367.6
7.5°	1144.2	1137.9	1146.4	1175.9	1213.3	1266.8	1296.4	1295.7	1345.0	1380.3	1376.7
10°	1053.3	1052.6	1070.3	1093.5	1125.2	1181.6	1222.4	1242.9	1319.7	1373.2	1381.0
12.5°	992.0	989.2	1008.3	1027.3	1077.3	1121.0	1173.1	1183.0	1271.1	1348.6	1361.2
15°	951.9	958.2	959.6	996.3	1028.0	1085.8	1126.6	1147.1	1248.5	1328.8	1377.5
17.5°	944.8	953.3	954.0	984.3	1018.1	1066.7	1102.7	1130.1	1229.5	1338.7	1378.2
20°	958.9	954.0	958.2	977.3	1010.4	1056.9	1109.0	1118.2	1223.2	1343.6	1385.9
22.5°	999.1	997.7	987.1	1002.6	1025.9	1074.5	1123.8	1137.9	1241.5	1369.0	1392.3
25°	1043.5	1051.2	1041.4	1039.3	1055.5	1103.4	1168.9	1187.2	1302.8	1414.8	1412.0
27.5°	1126.6	1118.9	1118.9	1109.0	1104.8	1128.0	1217.5	1247.8	1371.1	1474.0	1434.5
30°	1206.2	1214.7	1208.4	1211.9	1183.7	1181.6	1286.6	1323.9	1492.3	1564.2	1482.4
32.5°	1332.4	1321.1	1331.7	1322.5	1285.2	1247.1	1380.3	1419.0	1638.9	1667.7	1554.3
35°	1437.3	1432.4	1477.5	1476.1	1415.5	1378.2	1479.6	1537.4	1741.0	1791.7	1638.9
37.5°	1586.7	1577.6	1629.0	1653.6	1599.4	1543.7	1621.9	1688.9	1836.1	1891.1	1725.5
40°	1740.3	1763.6	1832.6	1873.5	1815.7	1741.7	1796.0	1816.4	1899.5	1955.9	1784.7
42.5°	1934.8	1968.6	2039.1	2074.3	2069.4	1989.0	1972.8	1972.1	1945.3	1937.6	1828.4
45°	2121.5	2108.8	2217.3	2294.1	2356.1	2332.9	2143.3	2122.2	2017.9	1965.1	1839.7
47.5°	2203.2	2199.0	2273.0	2409.7	2621.0	2649.9	2391.3	2309.6	2140.5	2080.6	1901.0
50°	2097.5	2119.4	2192.7	2344.1	2668.2	2888.8	2695.7	2585.8	2283.5	2221.5	2046.1
52.5°	1752.3	1767.1	1836.8	2029.2	2507.6	3029.7	2987.4	2924.0	2546.4	2443.5	2299.0
54°	1440.9	1480.3	1518.4	1711.4	2221.5	2951.5	3147.4	3098.7	2717.6	2628.1	2458.3
55°	1254.9	1278.1	1305.6	1497.9	2023.6	2819.0	3129.0	3133.3	2832.4	2685.9	2565.4
57.5°	916.7	932.9	904.7	989.9	1389.4	2289.2	2862.0	2976.1	2987.4	2772.5	2630.9
60°	700.4	707.4	675.7	689.1	863.8	1571.2	2213.8	2351.2	2695.0	2423.1	2228.6
62.5°	543.2	544.6	543.9	567.2	595.4	924.4	1384.5	1506.4	1858.0	1720.6	1513.4
65°	400.2	393.9	405.1	475.6	508.0	581.3	729.2	818.0	1009.7	852.5	609.5
67.5°	259.3	261.4	272.7	353.7	435.4	446.0	448.8	441.8	442.5	243.8	152.9
70°	155.7	159.2	155.7	200.1	311.4	319.9	292.4	285.4	222.6	57.8	57.1
72.5°	92.3	87.4	78.2	86.0	129.6	155.0	139.5	138.8	87.4	33.8	33.8
75°	38.8	35.2	28.9	26.1	34.5	33.1	33.1	29.6	23.3	22.5	21.1
77.5°	7.8	7.8	5.6	6.3	8.5	9.9	12.0	12.0	14.1	14.1	13.4
80°	0.0	0.7	2.1	4.2	6.3	9.2	10.6	10.6	12.0	12.0	9.9
82.5°	0.0	0.7	2.1	4.2	5.6	8.5	10.6	10.6	12.0	12.7	10.6
85°	0.0	0.7	2.1	3.5	5.6	7.0	7.0	6.3	4.9	4.2	2.8
87.5°	0.0	0.0	0.7	1.4	0.7	1.4	1.4	1.4	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P526541  
 CATALOG NUMBER: GALN-SA1C-730-U-SL2-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1358.4	1358.4	1358.4	1358.4	1358.4	1358.4	1358.4	1358.4	1358.4	1358.4	1358.4
2.5°	1364.8	1364.1	1347.2	1319.7	1313.3	1290.1	1287.3	1273.2	1280.9	1254.9	1252.0
5°	1353.5	1345.0	1324.6	1307.0	1255.6	1218.9	1190.0	1154.8	1134.4	1137.9	1124.5
7.5°	1369.7	1347.9	1311.9	1250.6	1187.9	1123.8	1089.3	1017.4	991.3	952.6	947.0
10°	1352.8	1336.6	1280.9	1179.5	1092.8	1000.5	919.5	839.9	779.3	753.2	747.6
12.5°	1351.4	1323.2	1230.2	1117.5	992.0	859.6	741.9	642.6	582.7	548.9	541.1
15°	1329.5	1295.7	1173.1	1021.6	848.3	683.4	555.2	459.4	413.6	393.9	399.5
17.5°	1331.7	1280.9	1116.1	920.2	706.7	501.7	379.1	329.7	317.8	322.7	322.7
20°	1329.5	1247.8	1047.0	803.2	541.1	348.1	278.3	260.7	268.4	283.9	280.4
22.5°	1318.3	1232.3	983.6	679.9	398.1	257.9	223.4	224.1	236.0	255.1	259.3
25°	1326.7	1197.8	903.3	555.2	290.3	205.7	193.8	198.7	211.4	225.5	228.3
27.5°	1320.4	1173.1	819.4	431.2	212.1	176.8	176.1	181.8	187.4	198.0	198.0
30°	1327.4	1150.6	737.0	320.6	174.7	162.1	159.2	163.5	169.1	171.2	170.5
32.5°	1353.5	1133.7	641.9	239.6	154.3	148.0	148.0	148.0	147.3	150.1	150.8
35°	1410.6	1136.5	558.0	185.3	140.9	136.0	133.9	131.1	129.6	131.1	131.8
37.5°	1472.6	1135.1	471.4	157.8	131.1	126.8	121.9	117.7	117.0	118.4	116.3
40°	1500.1	1148.5	391.0	141.6	121.9	117.0	109.2	105.7	106.4	107.8	106.4
42.5°	1537.4	1152.7	338.9	128.9	113.4	105.7	100.8	96.5	95.8	97.9	97.2
45°	1536.7	1128.7	283.9	121.9	105.7	97.2	90.9	87.4	87.4	88.8	89.5
47.5°	1581.8	1125.2	243.8	115.6	100.1	91.6	83.8	81.0	80.3	80.3	78.9
50°	1686.8	1174.5	212.8	108.5	93.0	85.3	78.9	75.4	72.6	71.2	70.5
52.5°	1891.8	1328.1	188.8	100.1	85.3	78.9	73.3	70.5	66.9	63.4	62.7
54°	2090.5	1486.7	187.4	93.0	78.9	74.7	69.8	68.3	64.1	59.2	57.8
55°	2180.0	1579.0	192.4	87.4	74.7	71.9	67.6	66.2	62.0	56.4	55.7
57.5°	2254.0	1614.9	189.5	72.6	67.6	66.9	63.4	61.3	56.4	48.6	47.2
60°	1814.3	1221.0	136.0	64.1	62.0	60.6	57.8	56.4	50.0	41.6	40.9
62.5°	1146.4	702.5	86.7	56.4	54.3	52.1	48.6	47.2	41.6	33.1	31.0
65°	488.3	291.0	58.5	50.0	46.5	43.0	40.2	38.0	33.1	24.7	24.0
67.5°	126.8	103.6	48.6	43.7	38.8	33.8	31.7	28.2	22.5	16.9	16.2
70°	57.1	52.1	40.9	36.6	31.0	26.1	23.3	19.7	14.8	11.3	10.6
72.5°	33.8	33.1	31.0	27.5	23.3	19.7	16.9	13.4	9.9	6.3	6.3
75°	21.1	20.4	21.1	19.0	16.2	14.8	12.7	9.2	5.6	2.8	2.8
77.5°	12.7	12.7	12.7	12.0	11.3	11.3	9.2	5.6	2.8	0.7	0.7
80°	9.9	9.9	10.6	9.9	9.9	9.9	7.8	4.2	1.4	0.0	0.0
82.5°	9.9	10.6	12.0	11.3	9.9	8.5	7.0	4.2	1.4	0.0	0.0
85°	2.8	2.1	3.5	4.9	7.0	6.3	4.9	3.5	1.4	0.0	0.0
87.5°	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7	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)