

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: P526049

Luminaire Tested: **GALN-SA1A-727-U-SL3-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526049  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1A-727-U-SL3-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2263 lumens  
Efficiency: N/A  
Efficacy: 68.6 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

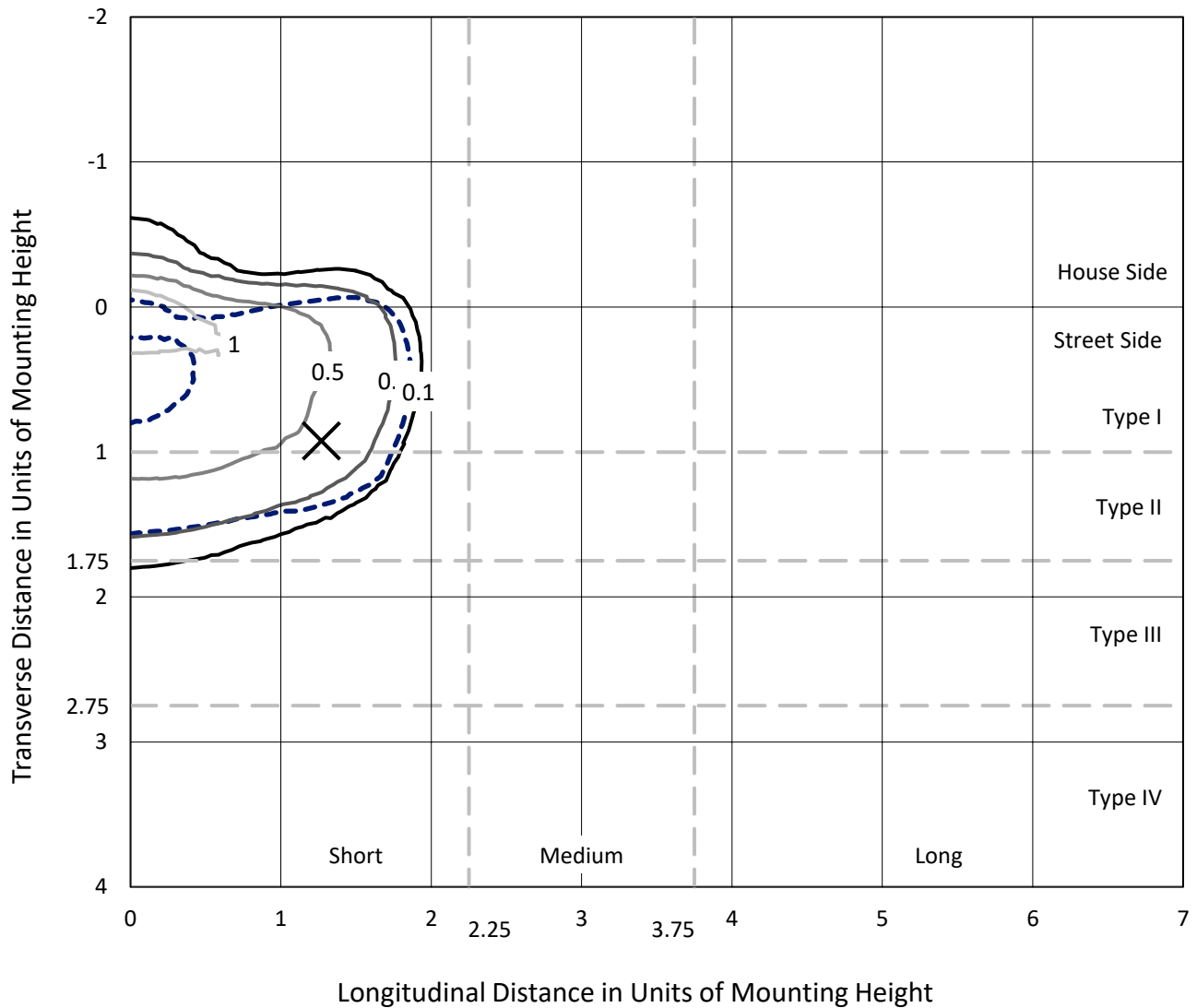
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

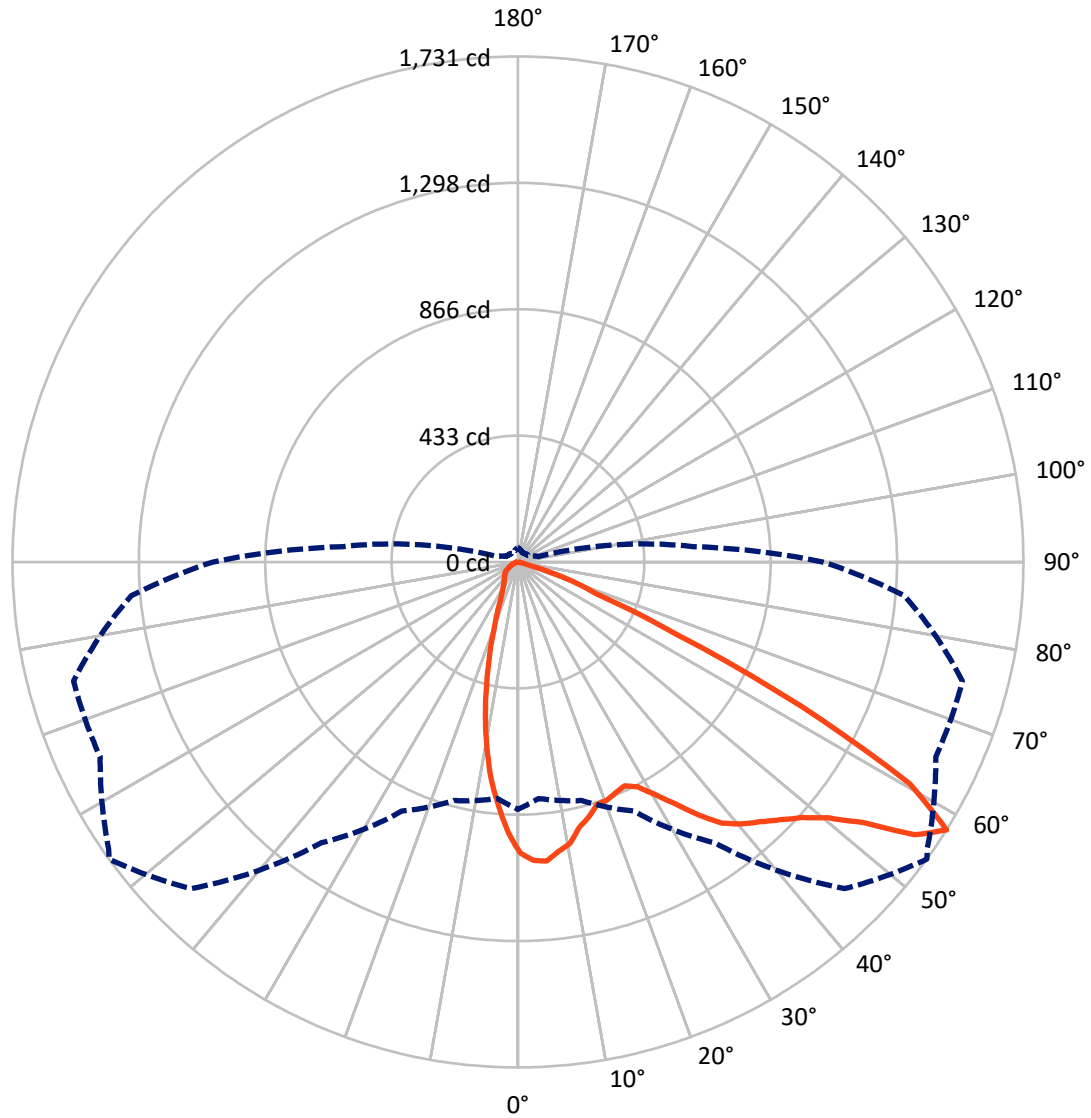
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral      - - - Horizontal Cone Through 57.5-Deg Vertical

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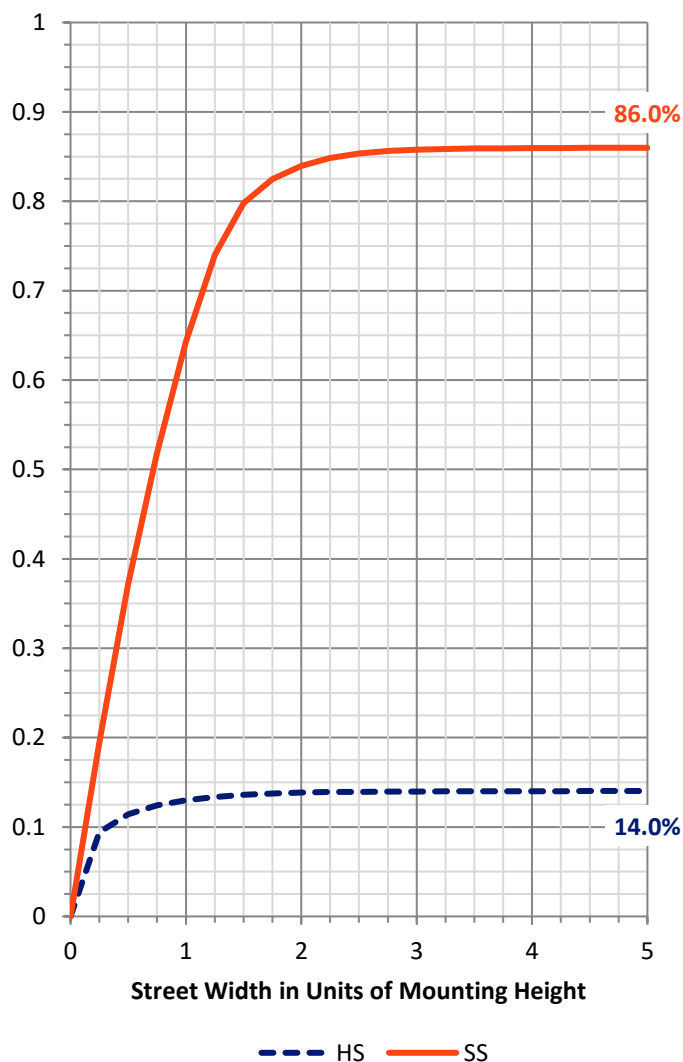
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	319.8	0.0	319.8
	% Fixture	14.1	0.0	14.1
<b>Street Side</b>	Lumens	1943.2	0.0	1943.2
	% Fixture	85.9	0.0	85.9
<b>Total</b>	Lumens	2263.0	0.0	2263.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.4	3.7
10°-20°	178.1	7.9
20°-30°	236.0	10.4
30°-40°	343.0	15.2
40°-50°	508.6	22.5
50°-60°	636.0	28.1
60°-70°	250.9	11.1
70°-80°	25.0	1.1
80°-90°	1.9	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°	2263.0	100.0
0°-180°	2263.0	100.0

**Coefficient of Utilization**



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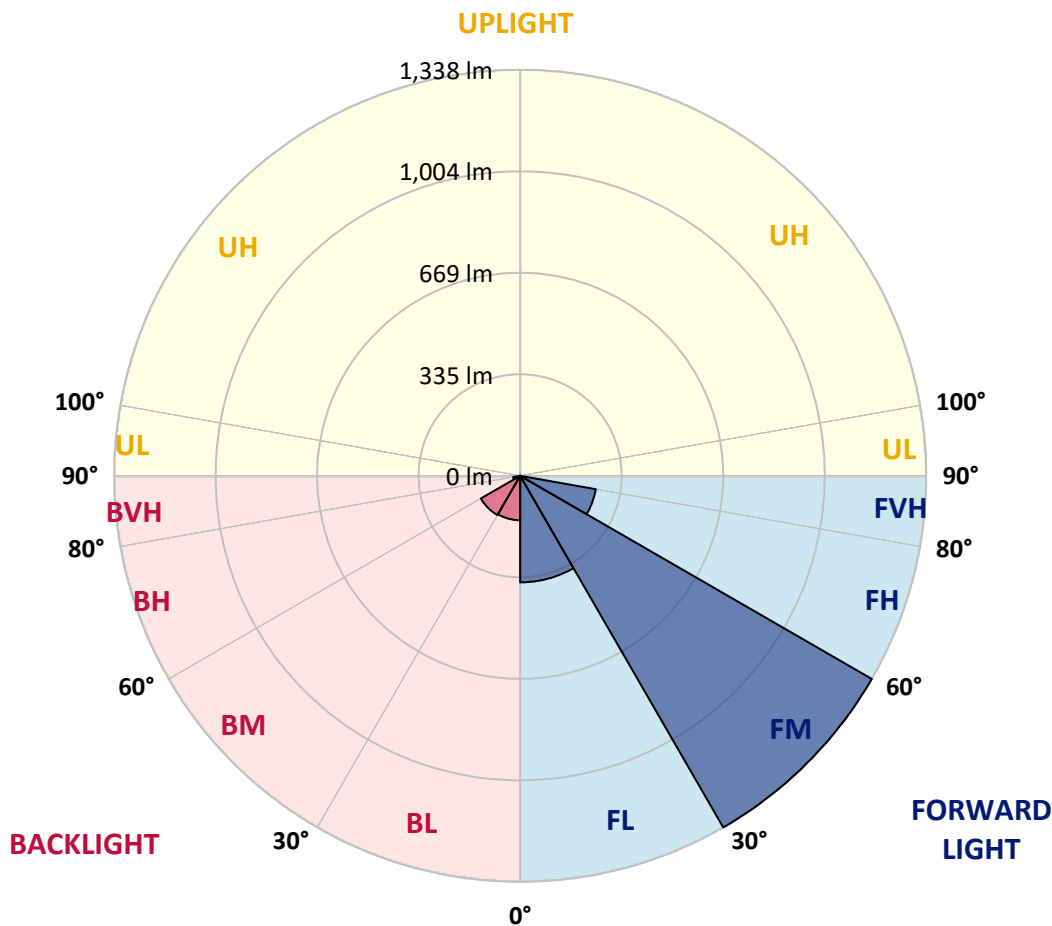
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	351.3	15.5			
FM (30°-60°)	1338.1	59.1			
FH (60°-80°)	252.9	11.2			G0/660
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	146.3	6.5	B1/500		
BM (30°-60°)	149.5	6.6	B0/220		
BH (60°-80°)	22.9	1.0	B0/110		G0/110
BVH (80°-90°)	1.1	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-G0**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9
2.5°	1055.0	1044.0	1044.9	1041.1	1036.0	1039.8	1023.4	1027.2	1026.8	1004.5	989.7
5°	1028.4	1040.2	1028.0	1038.1	1028.4	1039.0	1028.9	1021.3	1009.1	992.7	965.3
7.5°	983.4	972.1	975.4	988.0	990.1	1013.7	1001.1	1010.8	1005.7	973.3	935.9
10°	892.9	890.4	907.3	924.1	944.7	970.0	979.6	974.2	970.4	958.2	908.1
12.5°	823.5	830.7	830.2	858.0	892.9	907.3	932.5	931.7	952.7	930.0	882.0
15°	757.4	761.2	778.9	796.2	834.9	875.7	906.8	911.0	936.3	920.3	861.8
17.5°	717.0	711.6	725.5	746.1	785.6	839.1	873.6	883.7	918.2	914.8	838.7
20°	677.1	677.1	688.4	712.8	749.0	809.2	870.6	867.7	918.2	908.5	813.8
22.5°	663.6	670.3	673.3	691.8	734.7	786.5	858.0	863.5	925.3	905.6	802.9
25°	682.1	673.3	674.1	688.9	729.3	775.5	848.8	861.0	938.4	920.3	794.1
27.5°	685.1	693.9	696.4	706.5	733.5	778.9	871.9	896.7	970.8	954.8	796.6
30°	710.7	719.6	719.2	736.4	754.9	806.3	923.7	928.7	1037.7	998.1	812.1
32.5°	741.9	751.1	754.1	774.3	789.0	856.3	986.8	999.8	1102.1	1066.3	853.0
35°	780.6	777.2	790.7	810.9	842.4	929.6	1063.8	1085.7	1171.5	1154.7	895.0
37.5°	829.0	824.8	837.8	870.6	913.6	1016.2	1134.9	1149.2	1222.0	1236.7	972.9
40°	863.1	864.7	904.3	948.5	993.9	1098.7	1179.9	1193.8	1257.4	1313.3	1031.8
42.5°	919.9	930.4	977.9	1031.8	1079.4	1160.6	1216.5	1230.0	1273.8	1374.8	1111.3
45°	1002.4	997.7	1050.3	1110.5	1163.1	1225.0	1259.9	1255.3	1283.4	1435.8	1161.4
47.5°	1108.4	1109.2	1144.2	1195.5	1250.2	1280.9	1308.3	1291.9	1303.6	1500.2	1228.3
50°	1180.8	1187.1	1215.3	1267.9	1295.2	1342.4	1377.3	1367.2	1363.4	1538.9	1270.4
52.5°	1199.3	1218.2	1233.4	1299.0	1363.0	1437.5	1482.1	1503.5	1436.2	1551.9	1323.8
55°	1059.6	1076.4	1129.9	1219.9	1388.6	1588.1	1649.5	1650.0	1531.3	1610.0	1361.3
57.5°	847.1	813.0	845.8	941.3	1174.0	1581.8	1731.2	1711.4	1578.9	1575.9	1328.9
60°	585.8	577.3	579.4	617.3	812.6	1258.2	1542.7	1568.3	1453.9	1365.9	1052.0
62.5°	464.1	457.0	447.7	443.5	504.5	784.0	1088.2	1124.4	1016.7	885.8	623.6
65°	363.6	359.4	360.6	377.5	377.0	444.8	595.0	580.3	464.6	343.4	196.1
67.5°	245.3	251.6	256.7	307.6	333.7	309.7	287.4	279.0	151.1	63.5	43.3
70°	138.0	138.9	144.3	192.3	253.3	240.3	198.2	198.2	75.3	23.1	24.8
72.5°	75.3	72.8	67.7	82.9	112.8	114.5	88.4	77.0	22.3	15.1	13.9
75°	36.6	36.2	31.1	25.7	24.4	20.2	15.6	14.3	10.1	9.7	8.4
77.5°	7.6	7.2	3.8	3.8	4.2	4.6	5.9	5.9	7.2	7.2	5.9
80°	0.0	0.0	0.4	1.7	2.9	4.2	5.0	5.0	5.9	5.9	4.6
82.5°	0.0	0.0	0.4	1.3	2.5	3.8	4.6	5.0	5.9	6.3	5.0
85°	0.0	0.0	0.0	0.8	2.1	2.9	2.5	2.5	2.1	1.7	0.8
87.5°	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9
2.5°	982.2	981.3	962.0	951.0	931.2	914.0	900.1	890.0	890.0	883.7	877.8
5°	954.4	947.2	906.0	879.5	842.0	814.3	795.3	780.6	757.4	763.8	738.9
7.5°	919.9	901.8	847.1	806.7	754.9	715.4	675.0	639.2	604.7	589.1	597.5
10°	882.8	851.3	777.6	713.7	649.3	576.9	529.8	472.6	437.2	435.1	425.9
12.5°	843.7	807.9	718.3	629.9	545.4	458.3	386.3	332.9	308.9	282.4	287.4
15°	814.3	761.2	652.2	545.8	433.4	345.5	273.1	231.9	209.1	202.8	200.7
17.5°	782.3	725.5	584.9	456.2	340.0	248.7	196.5	176.7	167.9	167.9	166.6
20°	749.0	685.1	518.0	372.8	255.0	185.6	157.4	151.1	150.6	150.2	150.2
22.5°	727.1	638.8	457.4	296.2	192.3	148.5	136.8	134.2	135.9	141.0	141.0
25°	704.0	594.2	390.5	228.5	149.0	127.5	120.8	122.5	126.7	131.3	129.6
27.5°	680.4	565.1	327.4	179.3	122.0	111.5	109.0	112.8	117.4	121.6	120.3
30°	675.0	534.0	267.6	135.9	104.8	97.2	98.9	102.3	106.9	108.6	110.3
32.5°	683.4	509.6	219.2	111.5	91.3	89.2	89.2	90.9	93.8	97.6	96.4
35°	707.4	495.7	173.4	96.8	83.7	81.6	81.2	82.9	84.6	85.8	84.6
37.5°	744.0	484.8	141.8	85.8	78.7	75.3	74.5	74.1	75.7	76.2	77.0
40°	790.7	490.7	120.3	79.1	73.6	69.9	67.3	67.3	67.3	68.6	69.0
42.5°	841.2	498.7	103.9	75.3	69.0	64.4	61.9	61.0	61.9	63.5	63.1
45°	894.2	514.2	93.4	69.4	64.8	58.9	55.5	54.7	56.8	60.2	59.8
47.5°	943.9	536.5	85.4	65.6	60.6	55.1	50.9	50.1	53.9	58.5	58.9
50°	993.5	575.2	82.5	62.7	57.6	51.3	47.6	46.7	50.9	56.8	58.1
52.5°	1050.7	616.9	80.4	58.9	54.3	48.4	44.2	43.3	48.0	55.5	56.0
55°	1088.2	652.2	78.7	52.2	48.0	43.8	40.4	40.0	45.0	51.8	53.4
57.5°	1044.4	603.0	72.8	45.4	40.8	38.7	35.8	35.8	40.0	46.3	47.6
60°	792.0	396.8	51.8	36.6	34.5	33.2	32.0	32.0	35.3	40.0	40.4
62.5°	463.7	213.8	33.2	29.5	29.5	28.2	26.1	26.1	29.5	32.0	32.4
65°	137.6	68.6	26.9	25.2	24.8	22.7	20.6	20.2	22.7	24.0	23.6
67.5°	39.6	31.6	22.3	21.0	20.6	17.3	16.0	15.6	16.0	15.1	14.7
70°	23.6	21.5	17.3	17.7	15.6	12.6	11.4	10.9	10.1	8.8	8.0
72.5°	13.0	13.0	12.6	13.5	10.9	8.4	7.2	5.9	4.6	3.8	3.4
75°	8.0	8.4	8.8	9.3	7.2	5.5	4.6	2.9	1.7	0.8	0.8
77.5°	5.5	5.9	6.3	6.7	5.9	5.0	3.8	2.1	0.4	0.0	0.0
80°	4.2	4.6	5.5	5.9	6.3	6.7	5.0	2.1	0.4	0.0	0.0
82.5°	4.6	5.0	6.3	5.9	5.9	5.9	4.6	2.1	0.4	0.0	0.0
85°	0.8	1.3	2.1	2.1	2.9	3.8	2.9	0.8	0.0	0.0	0.0
87.5°	0.0	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)