

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: P526437

Luminaire Tested: **GALN-SA1B-827-U-SL2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526437
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-SA1B-827-U-SL2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 800mA 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: 2471 lumens
Efficiency: N/A
Efficacy: 56.2 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

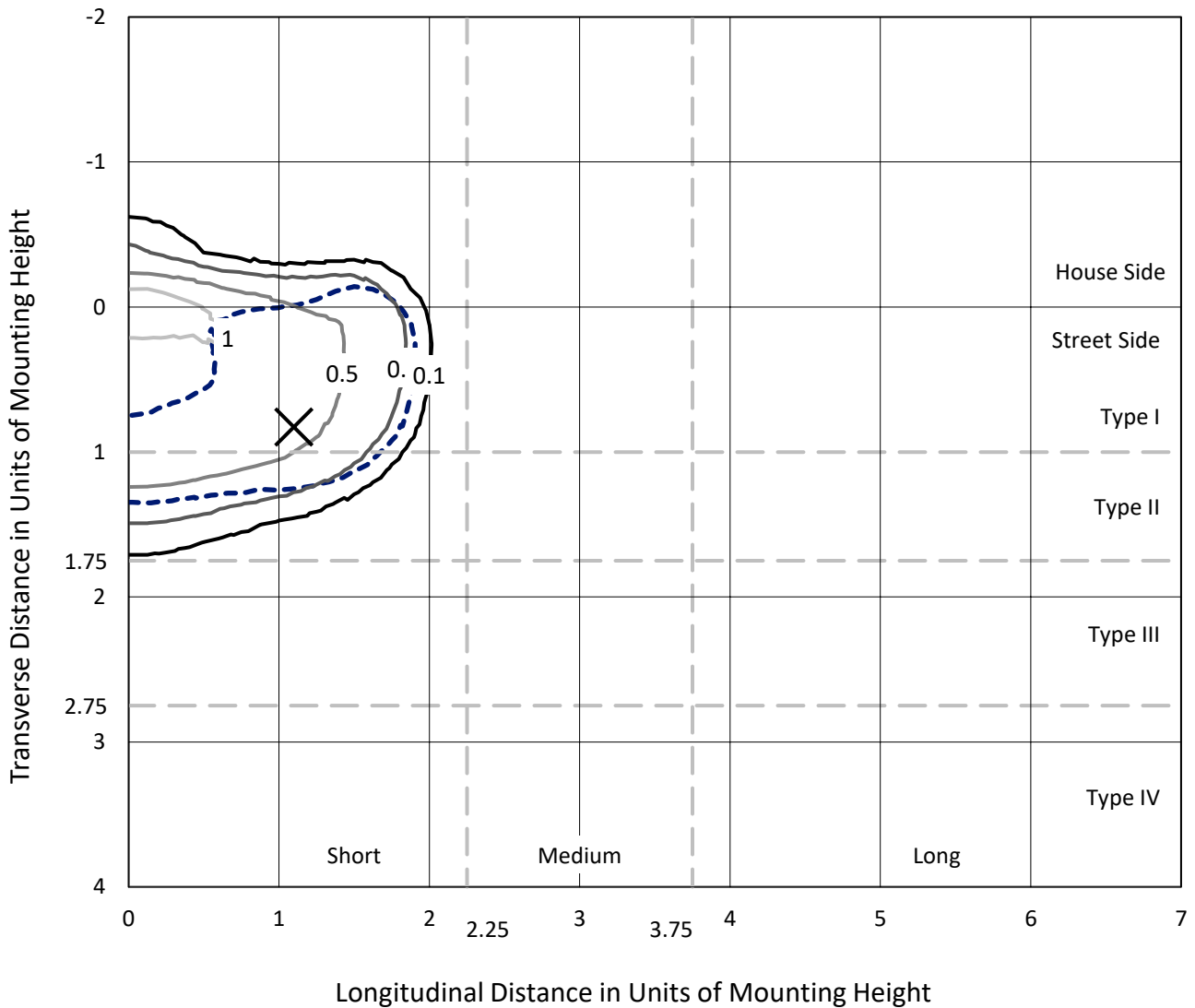
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526437
 CATALOG NUMBER: GALN-SA1B-827-U-SL2-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

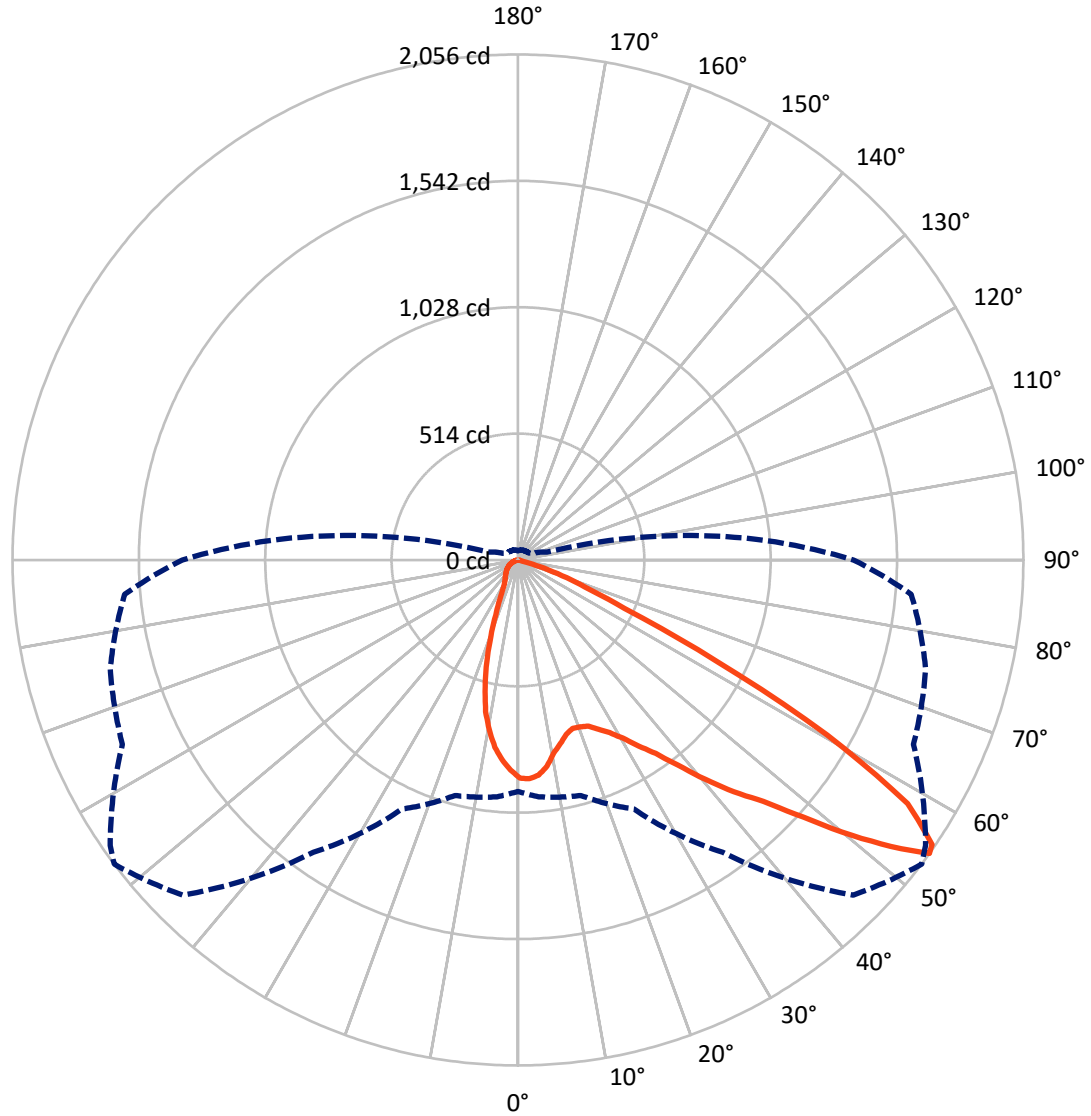
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Short - N/A

REPORT NUMBER: P526437
CATALOG NUMBER: GALN-SA1B-827-U-SL2-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P526437
 CATALOG NUMBER: GALN-SA1B-827-U-SL2-GRSBK

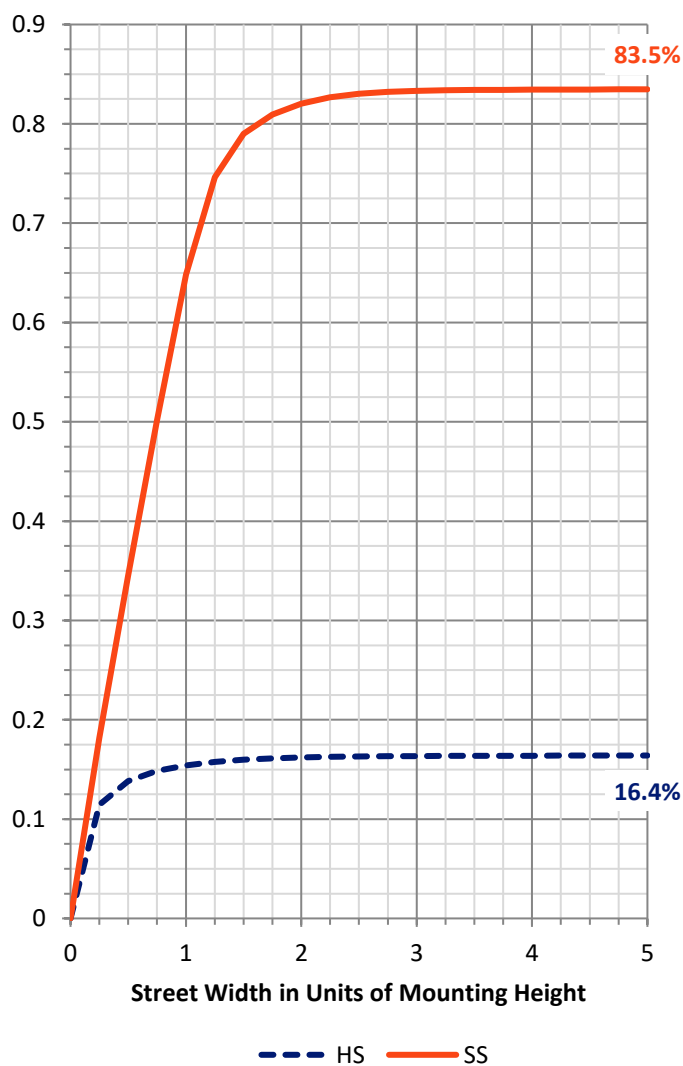
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	408.8	0.0	408.8
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	2062.2	0.0	2062.2
	% Fixture	83.5	0.0	83.5
Total	Lumens	2471.0	0.0	2471.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.1	3.1
10°-20°	174.6	7.1
20°-30°	248.1	10.0
30°-40°	382.9	15.5
40°-50°	600.4	24.3
50°-60°	697.4	28.2
60°-70°	263.5	10.7
70°-80°	25.1	1.0
80°-90°	2.8	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°	2471.0	100.0
0°-180°	2471.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526437

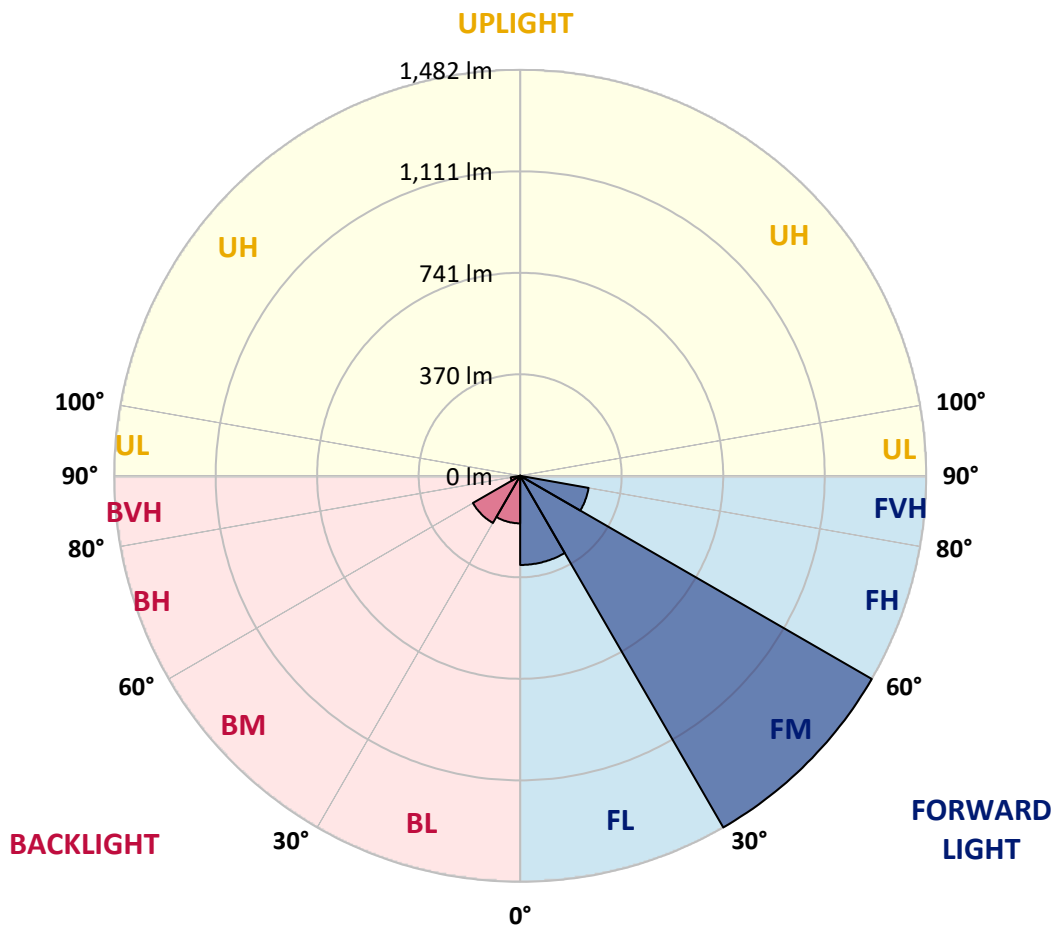
CATALOG NUMBER: GALN-SA1B-827-U-SL2-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	325.4	13.2			
FM (30°-60°)	1481.8	60.0			
FH (60°-80°)	253.6	10.3			G0/660
FVH (80°-90°)	1.5	0.1			G0/10
BL (0°-30°)	173.5	7.0	B1/500		
BM (30°-60°)	199.0	8.1	B0/220		
BH (60°-80°)	35.0	1.4	B0/110		G0/110
BVH (80°-90°)	1.4	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: P526437

CATALOG NUMBER: GALN-SA1B-827-U-SL2-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5
2.5°	882.9	875.1	882.9	883.9	889.4	894.4	891.2	898.6	894.4	889.8	888.5
5°	811.6	822.2	822.6	839.2	835.5	865.9	879.3	875.6	898.1	896.7	893.5
7.5°	747.6	743.5	749.0	768.3	792.7	827.7	847.0	846.6	878.8	901.8	899.5
10°	688.2	687.8	699.3	714.5	735.2	772.0	798.7	812.0	862.2	897.2	902.3
12.5°	648.2	646.3	658.8	671.2	703.9	732.4	766.5	772.9	830.5	881.1	889.4
15°	621.9	626.1	627.0	650.9	671.6	709.4	736.1	749.4	815.7	868.2	900.0
17.5°	617.3	622.8	623.3	643.1	665.2	697.0	720.4	738.4	803.3	874.7	900.4
20°	626.5	623.3	626.1	638.5	660.1	690.5	724.6	730.6	799.2	877.9	905.5
22.5°	652.8	651.8	644.9	655.1	670.3	702.0	734.2	743.5	811.1	894.4	909.6
25°	681.8	686.8	680.4	679.0	689.6	720.9	763.7	775.7	851.2	924.4	922.5
27.5°	736.1	731.0	731.0	724.6	721.8	737.0	795.5	815.3	895.8	963.0	937.3
30°	788.1	793.6	789.5	791.8	773.4	772.0	840.6	865.0	975.0	1022.0	968.6
32.5°	870.5	863.1	870.0	864.1	839.7	814.8	901.8	927.1	1070.8	1089.6	1015.5
35°	939.1	935.9	965.3	964.4	924.8	900.4	966.7	1004.5	1137.5	1170.7	1070.8
37.5°	1036.7	1030.7	1064.3	1080.4	1045.0	1008.6	1059.7	1103.4	1199.7	1235.6	1127.4
40°	1137.0	1152.2	1197.4	1224.1	1186.3	1138.0	1173.4	1186.8	1241.1	1277.9	1166.0
42.5°	1264.1	1286.2	1332.2	1355.3	1352.0	1299.5	1289.0	1288.5	1271.0	1265.9	1194.6
45°	1386.1	1377.8	1448.7	1498.9	1539.4	1524.2	1400.4	1386.6	1318.4	1283.9	1202.0
47.5°	1439.5	1436.7	1485.1	1574.4	1712.5	1731.4	1562.4	1509.0	1398.5	1359.4	1242.0
50°	1370.4	1384.7	1432.6	1531.6	1743.3	1887.4	1761.3	1689.5	1492.0	1451.5	1336.8
52.5°	1144.9	1154.5	1200.1	1325.8	1638.4	1979.5	1951.9	1910.4	1663.7	1596.5	1502.1
54°	941.4	967.2	992.0	1118.2	1451.5	1928.4	2056.4	2024.6	1775.5	1717.1	1606.1
55°	819.9	835.1	853.0	978.7	1322.1	1841.8	2044.4	2047.1	1850.6	1754.8	1676.1
57.5°	598.9	609.5	591.1	646.8	907.8	1495.7	1869.9	1944.5	1951.9	1811.5	1718.9
60°	457.6	462.2	441.5	450.2	564.4	1026.6	1446.4	1536.2	1760.8	1583.1	1456.1
62.5°	354.9	355.8	355.4	370.6	389.0	604.0	904.6	984.2	1213.9	1124.2	988.8
65°	261.5	257.3	264.7	310.7	331.9	379.8	476.5	534.5	659.7	557.0	398.2
67.5°	169.4	170.8	178.2	231.1	284.5	291.4	293.2	288.6	289.1	159.3	99.9
70°	101.7	104.0	101.7	130.7	203.5	209.0	191.0	186.4	145.5	37.7	37.3
72.5°	60.3	57.1	51.1	56.2	84.7	101.3	91.1	90.7	57.1	22.1	22.1
75°	25.3	23.0	18.9	17.0	22.6	21.6	21.6	19.3	15.2	14.7	13.8
77.5°	5.1	5.1	3.7	4.1	5.5	6.4	7.8	7.8	9.2	9.2	8.7
80°	0.0	0.5	1.4	2.8	4.1	6.0	6.9	6.9	7.8	7.8	6.4
82.5°	0.0	0.5	1.4	2.8	3.7	5.5	6.9	6.9	7.8	8.3	6.9
85°	0.0	0.5	1.4	2.3	3.7	4.6	4.6	4.1	3.2	2.8	1.8
87.5°	0.0	0.0	0.5	0.9	0.5	0.9	0.9	0.9	0.9	0.9	0.9
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: P526437

CATALOG NUMBER: GALN-SA1B-827-U-SL2-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5	887.5
2.5°	891.7	891.2	880.2	862.2	858.1	842.9	841.0	831.8	836.9	819.9	818.0
5°	884.3	878.8	865.4	853.9	820.3	796.4	777.5	754.5	741.2	743.5	734.7
7.5°	894.9	880.6	857.2	817.1	776.1	734.2	711.7	664.7	647.7	622.4	618.7
10°	883.9	873.3	836.9	770.6	714.0	653.7	600.7	548.7	509.1	492.1	488.4
12.5°	882.9	864.5	803.8	730.1	648.2	561.6	484.7	419.8	380.7	358.6	353.5
15°	868.7	846.6	766.5	667.5	554.3	446.5	362.8	300.1	270.2	257.3	261.0
17.5°	870.0	836.9	729.2	601.2	461.7	327.8	247.7	215.4	207.6	210.8	210.8
20°	868.7	815.3	684.1	524.8	353.5	227.4	181.8	170.3	175.4	185.5	183.2
22.5°	861.3	805.1	642.6	444.2	260.1	168.5	145.9	146.4	154.2	166.6	169.4
25°	866.8	782.6	590.2	362.8	189.7	134.4	126.6	129.8	138.1	147.3	149.2
27.5°	862.7	766.5	535.4	281.7	138.6	115.5	115.1	118.8	122.5	129.4	129.4
30°	867.3	751.7	481.5	209.5	114.2	105.9	104.0	106.8	110.5	111.9	111.4
32.5°	884.3	740.7	419.4	156.5	100.8	96.7	96.7	96.7	96.2	98.1	98.5
35°	921.6	742.5	364.6	121.1	92.1	88.8	87.5	85.6	84.7	85.6	86.1
37.5°	962.1	741.6	308.0	103.1	85.6	82.9	79.6	76.9	76.4	77.3	76.0
40°	980.1	750.4	255.5	92.5	79.6	76.4	71.4	69.1	69.5	70.4	69.5
42.5°	1004.5	753.1	221.4	84.2	74.1	69.1	65.8	63.1	62.6	64.0	63.5
45°	1004.0	737.5	185.5	79.6	69.1	63.5	59.4	57.1	57.1	58.0	58.5
47.5°	1033.5	735.2	159.3	75.5	65.4	59.8	54.8	52.9	52.5	52.5	51.6
50°	1102.1	767.4	139.0	70.9	60.8	55.7	51.6	49.3	47.4	46.5	46.0
52.5°	1236.0	867.7	123.4	65.4	55.7	51.6	47.9	46.0	43.7	41.4	41.0
54°	1365.8	971.3	122.5	60.8	51.6	48.8	45.6	44.7	41.9	38.7	37.7
55°	1424.3	1031.6	125.7	57.1	48.8	47.0	44.2	43.3	40.5	36.8	36.4
57.5°	1472.6	1055.1	123.8	47.4	44.2	43.7	41.4	40.0	36.8	31.8	30.8
60°	1185.4	797.8	88.8	41.9	40.5	39.6	37.7	36.8	32.7	27.2	26.7
62.5°	749.0	459.0	56.6	36.8	35.4	34.1	31.8	30.8	27.2	21.6	20.3
65°	319.0	190.1	38.2	32.7	30.4	28.1	26.2	24.9	21.6	16.1	15.7
67.5°	82.9	67.7	31.8	28.5	25.3	22.1	20.7	18.4	14.7	11.0	10.6
70°	37.3	34.1	26.7	23.9	20.3	17.0	15.2	12.9	9.7	7.4	6.9
72.5°	22.1	21.6	20.3	18.0	15.2	12.9	11.0	8.7	6.4	4.1	4.1
75°	13.8	13.3	13.8	12.4	10.6	9.7	8.3	6.0	3.7	1.8	1.8
77.5°	8.3	8.3	8.3	7.8	7.4	7.4	6.0	3.7	1.8	0.5	0.5
80°	6.4	6.4	6.9	6.4	6.4	6.4	5.1	2.8	0.9	0.0	0.0
82.5°	6.4	6.9	7.8	7.4	6.4	5.5	4.6	2.8	0.9	0.0	0.0
85°	1.8	1.4	2.3	3.2	4.6	4.1	3.2	2.3	0.9	0.0	0.0
87.5°	0.9	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.5	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)