

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: P526419

Luminaire Tested: **GALN-SA1B-760-U-T2-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526419  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1B-760-U-T2-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

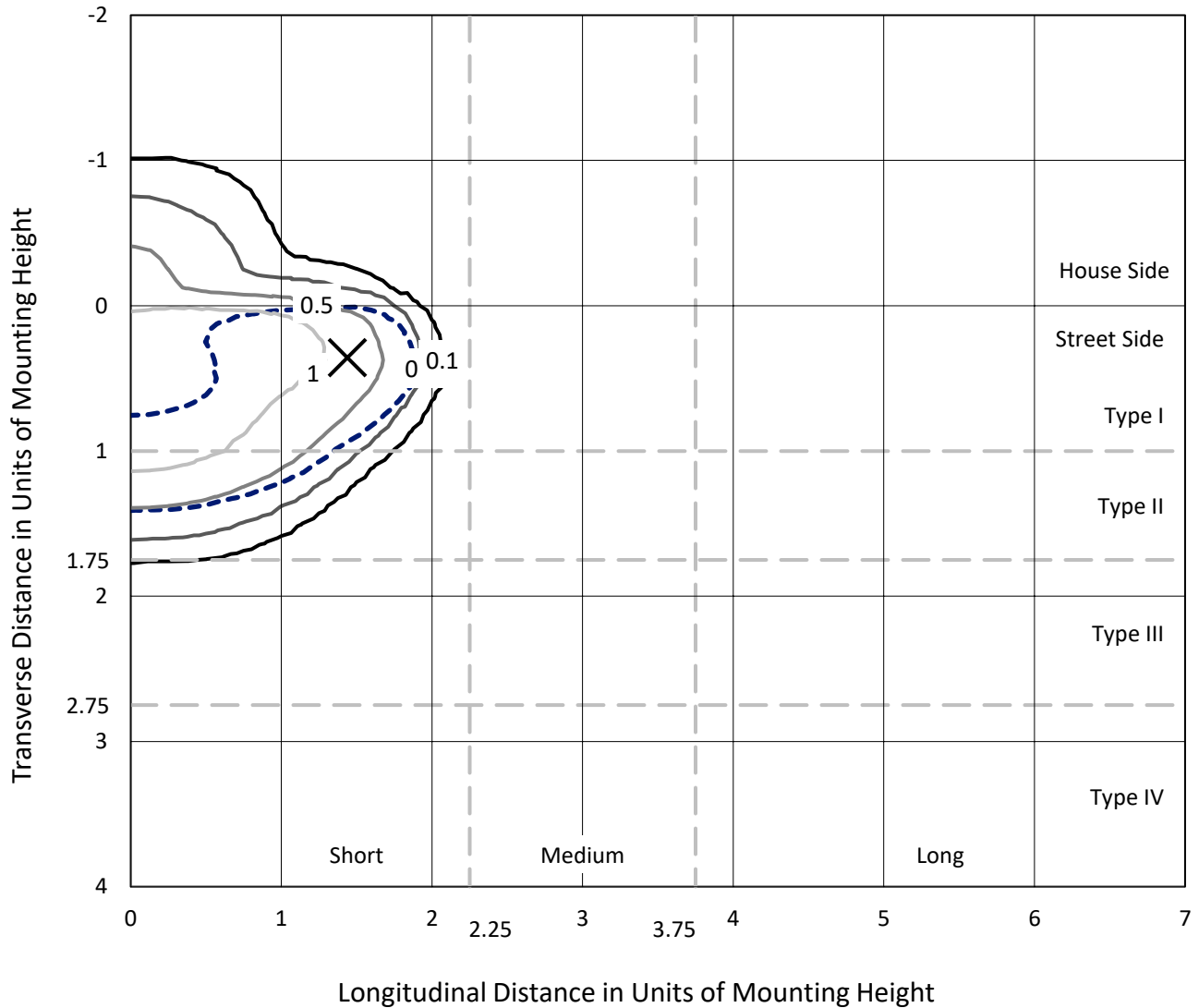
Lumens per Lamp: N/A  
Luminaire Lumens: 3396 lumens  
Efficiency: N/A  
Efficacy: 77.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

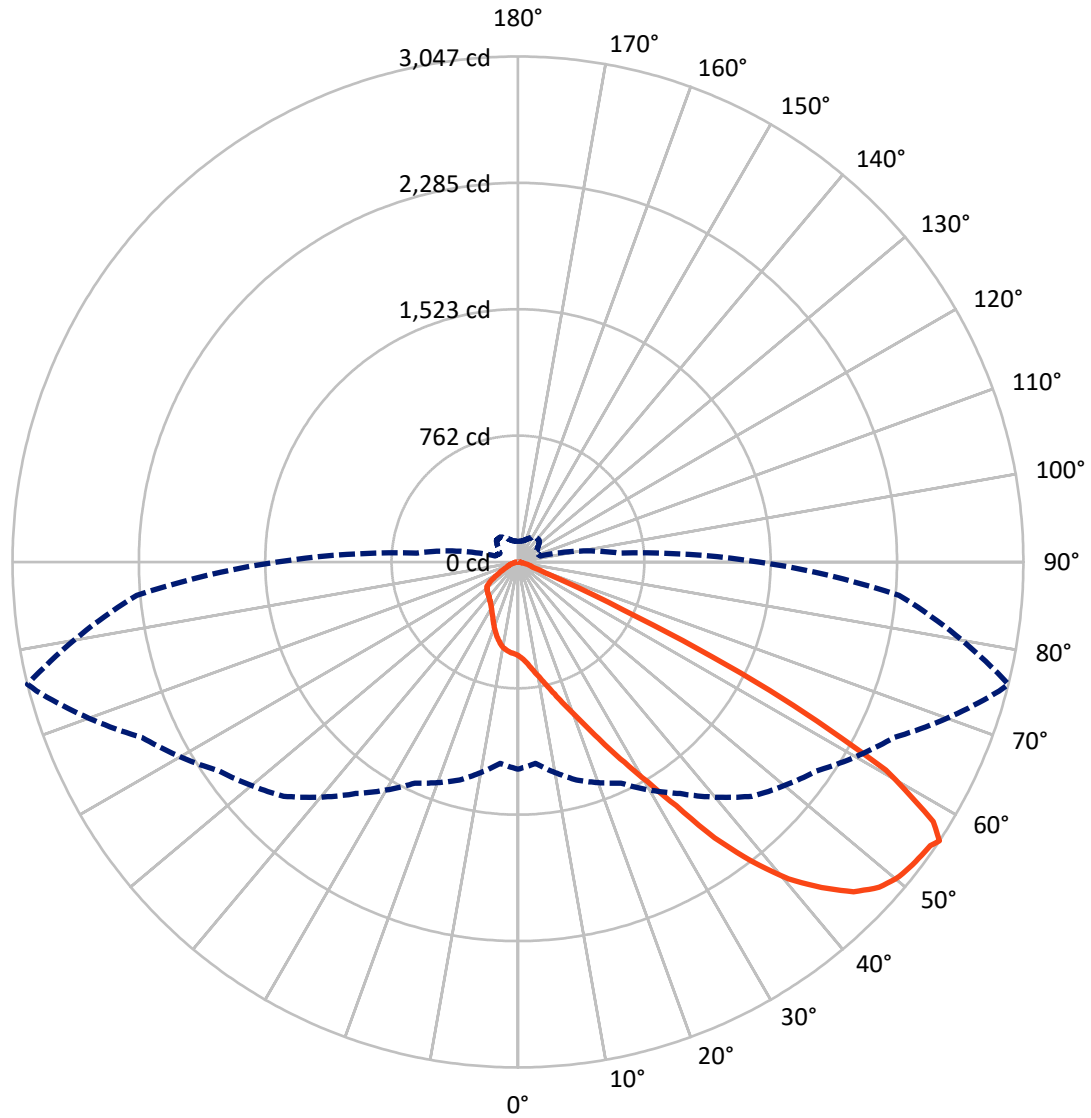
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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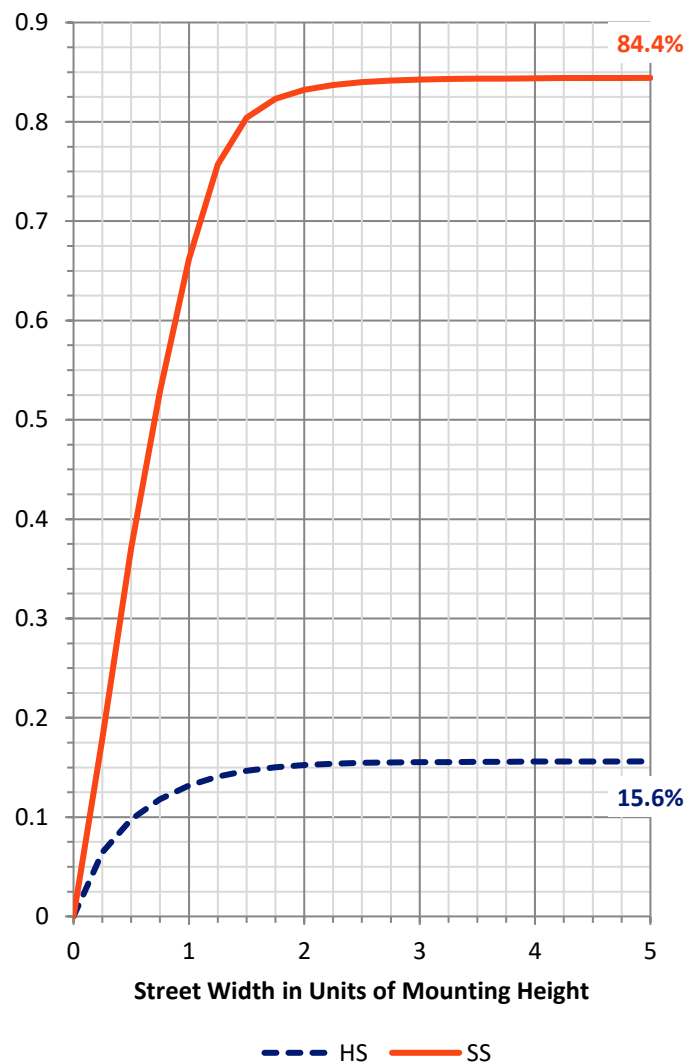
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	533.5	0.0	533.5
	% Fixture	15.7	0.0	15.7
<b>Street Side</b>	Lumens	2862.5	0.0	2862.5
	% Fixture	84.3	0.0	84.3
<b>Total</b>	Lumens	3396.0	0.0	3396.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.9	1.7
10°-20°	182.9	5.4
20°-30°	331.7	9.8
30°-40°	572.1	16.8
40°-50°	929.3	27.4
50°-60°	979.5	28.8
60°-70°	299.3	8.8
70°-80°	38.4	1.1
80°-90°	5.8	0.2
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°	3396.0	100.0
0°-180°	3396.0	100.0

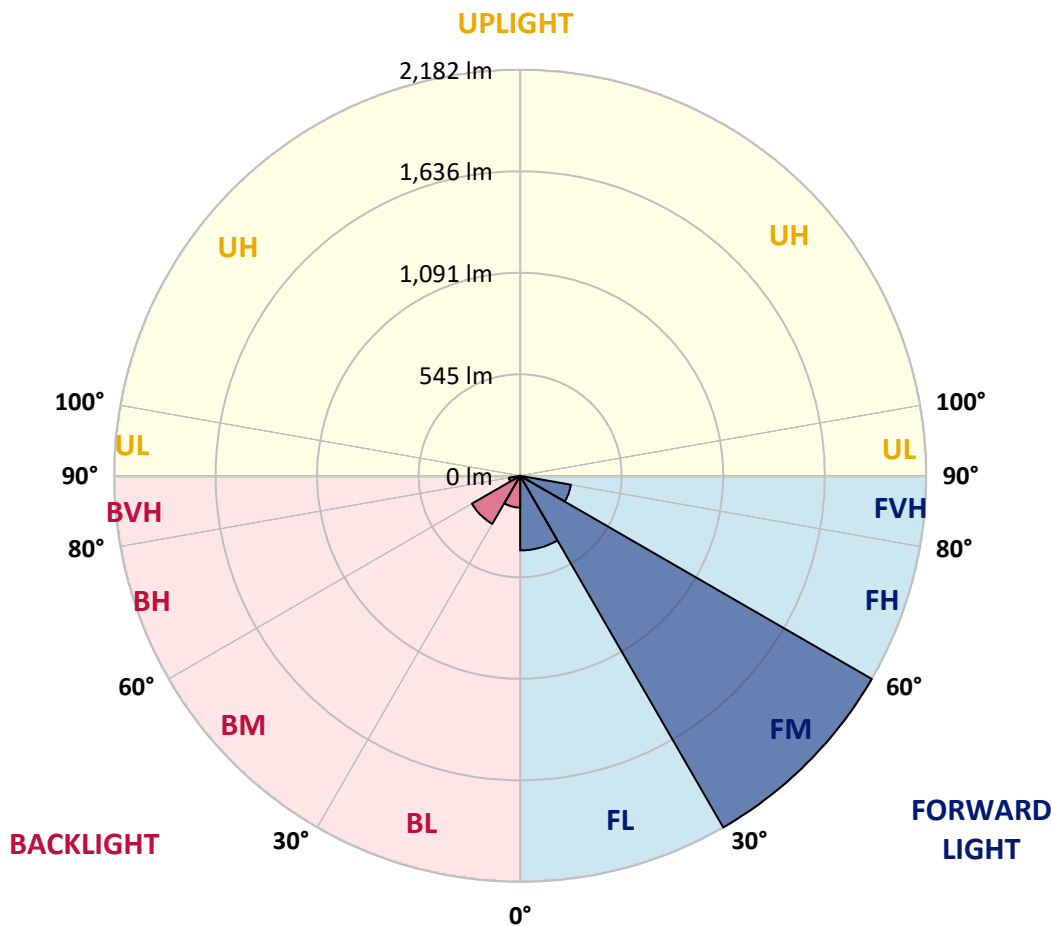


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	400.9	11.8			
FM (30°-60°)	2181.9	64.2			
FH (60°-80°)	276.8	8.2			G0/660
FVH (80°-90°)	2.9	0.1			G0/10
BL (0°-30°)	170.7	5.0	B1/500		
BM (30°-60°)	299.0	8.8	B1/1000		
BH (60°-80°)	60.9	1.8	B0/110		G0/110
BVH (80°-90°)	3.0	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3
2.5°	651.0	636.0	636.6	635.4	633.5	626.6	606.0	602.8	589.1	585.3	572.8
5°	729.3	716.1	723.6	712.4	701.7	695.5	661.7	646.0	624.1	616.0	598.4
7.5°	778.1	771.8	769.3	770.0	760.0	744.3	729.3	694.8	665.4	659.2	622.2
10°	801.9	798.1	801.9	800.0	804.4	806.3	780.0	759.3	716.1	705.5	647.9
12.5°	807.5	815.0	818.2	826.3	836.9	855.1	853.2	825.1	767.5	760.6	687.3
15°	821.3	827.6	824.4	837.6	857.6	888.3	904.6	900.2	838.2	825.7	733.0
17.5°	833.8	822.6	833.2	859.5	879.5	926.5	965.9	984.1	915.2	900.8	775.0
20°	850.7	847.6	845.7	858.9	894.5	957.1	1035.4	1068.6	1001.6	986.6	835.1
22.5°	902.1	902.7	901.4	882.0	907.7	978.4	1096.1	1178.1	1104.9	1092.4	903.3
25°	969.7	961.5	955.3	939.6	936.5	997.8	1157.5	1312.1	1228.8	1220.1	977.2
27.5°	1041.0	1041.0	1022.2	1007.8	987.8	1046.0	1213.8	1442.3	1378.4	1366.5	1041.6
30°	1118.6	1123.0	1120.5	1089.8	1077.3	1098.6	1271.4	1608.8	1550.0	1534.9	1148.1
32.5°	1233.2	1223.8	1234.5	1208.8	1171.9	1190.6	1362.2	1757.8	1772.8	1751.5	1287.7
35°	1384.7	1379.1	1372.2	1330.2	1286.4	1301.4	1490.5	1941.2	2052.6	2042.0	1428.5
37.5°	1520.5	1517.4	1511.8	1483.0	1432.3	1450.4	1636.3	2132.1	2325.6	2290.5	1627.6
40°	1663.3	1680.2	1662.0	1636.3	1590.0	1630.1	1807.9	2245.4	2555.3	2512.7	1779.7
42.5°	1856.7	1843.5	1851.7	1804.7	1779.7	1823.5	1980.0	2358.7	2733.7	2683.0	1941.2
45°	2062.6	2063.3	2041.4	2026.3	1961.2	2008.8	2085.8	2421.3	2875.8	2836.4	2063.3
47.5°	2194.7	2194.1	2217.9	2241.7	2174.7	2127.7	2157.8	2480.8	2949.0	2930.9	2107.7
50°	2174.1	2180.3	2211.0	2299.9	2334.9	2271.7	2225.4	2463.3	2982.2	2980.3	2145.9
52.5°	1891.1	1911.8	1963.1	2091.4	2268.0	2346.2	2296.1	2495.8	2998.5	3001.6	2202.9
55°	1439.8	1451.0	1548.7	1704.6	1899.9	2167.8	2268.0	2521.5	3011.0	3016.6	2271.7
56°	1248.9	1218.8	1359.7	1470.5	1703.9	1996.9	2196.6	2501.5	3003.5	3046.7	2306.1
57.5°	942.7	922.7	1036.6	1175.0	1399.7	1709.0	1975.0	2406.9	2952.8	2952.2	2256.7
60°	573.4	553.4	641.0	722.4	848.2	1052.3	1334.6	1916.8	2496.4	2549.0	1827.3
62.5°	341.2	353.7	440.1	489.5	530.2	551.5	690.5	1139.3	1665.8	1703.3	1133.7
65°	227.2	231.6	296.7	378.1	396.3	315.5	281.1	461.4	722.4	699.2	467.6
67.5°	140.2	150.2	199.1	284.2	314.9	230.4	133.3	172.1	199.1	199.1	135.2
70°	85.1	90.1	132.7	193.4	216.0	148.4	97.0	97.0	95.8	93.9	80.8
72.5°	40.7	43.8	67.6	99.5	101.4	78.2	75.1	82.0	80.1	79.5	67.0
75°	17.5	18.8	23.8	31.3	35.7	33.2	45.7	58.8	60.7	58.8	48.2
77.5°	5.6	6.3	8.8	11.3	11.9	14.4	19.4	24.4	28.2	26.3	23.8
80°	0.6	1.3	2.5	5.6	8.8	11.3	14.4	16.3	18.2	18.2	16.9
82.5°	0.6	0.6	2.5	5.0	8.1	10.6	13.8	15.6	18.2	18.8	17.5
85°	0.0	0.6	1.9	4.4	6.9	6.9	6.3	6.3	4.4	4.4	4.4
87.5°	0.0	0.0	0.6	0.6	0.6	1.3	1.3	1.3	1.3	1.3	1.3
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°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3
2.5°	570.3	569.0	552.1	541.5	535.8	524.6	517.7	512.7	508.9	504.5	505.2
5°	577.8	573.4	545.2	525.8	502.7	490.2	479.5	470.7	465.1	463.9	461.4
7.5°	599.1	575.9	533.3	498.3	468.9	456.3	447.0	441.3	443.8	438.2	442.6
10°	615.3	580.9	518.9	468.2	438.8	429.4	424.4	428.8	435.1	432.6	429.4
12.5°	635.4	585.9	495.8	439.4	411.9	405.0	413.8	421.9	434.4	439.4	433.2
15°	657.9	591.6	466.4	406.3	388.7	394.4	409.4	423.8	436.3	442.6	446.3
17.5°	685.5	589.7	437.6	380.0	366.8	383.1	401.3	414.4	433.2	442.6	440.1
20°	711.1	583.4	405.6	353.7	354.3	369.3	384.4	405.6	415.7	428.2	423.8
22.5°	735.5	572.2	372.5	335.5	335.5	358.7	366.2	380.0	388.7	395.0	394.4
25°	770.0	550.9	344.9	318.0	325.5	340.5	346.8	351.2	347.4	352.4	353.1
27.5°	794.4	529.0	322.4	302.4	316.1	327.4	325.5	323.0	314.2	307.4	311.7
30°	820.7	503.3	303.0	291.7	299.2	309.2	301.7	294.2	280.4	269.2	269.8
32.5°	858.2	491.4	286.1	279.2	289.2	290.5	282.3	271.1	257.3	246.6	246.0
35°	928.3	483.9	271.7	271.1	272.9	273.6	265.4	251.6	246.0	237.3	240.4
37.5°	998.5	480.1	261.7	259.2	258.5	259.2	249.8	236.6	247.3	246.6	247.9
40°	1088.0	497.0	247.3	244.1	244.8	244.8	232.9	229.1	247.9	249.8	250.4
42.5°	1178.7	518.3	237.9	227.9	230.4	230.4	224.1	219.7	232.9	220.3	218.5
45°	1257.6	549.6	227.9	211.6	217.8	221.0	219.1	211.6	203.4	182.2	182.2
47.5°	1283.3	577.2	216.0	195.9	200.9	214.7	209.1	193.4	179.0	161.5	160.3
50°	1328.4	607.2	206.6	177.8	188.4	205.3	199.7	184.0	167.8	155.2	155.9
52.5°	1374.7	641.6	189.0	156.5	169.6	197.8	197.8	180.3	155.2	146.5	145.2
55°	1444.2	640.4	157.7	128.3	151.5	186.5	189.7	161.5	139.0	132.1	132.1
56°	1454.2	611.6	142.1	120.2	143.4	183.4	184.0	156.5	132.7	125.2	125.2
57.5°	1379.1	552.1	124.6	110.2	133.3	177.8	178.4	152.1	127.7	117.1	115.8
60°	1061.1	373.7	103.9	98.3	120.8	160.3	163.4	138.3	112.1	103.9	103.3
62.5°	599.1	207.2	91.4	88.9	103.9	136.5	145.9	120.8	95.2	90.8	92.0
65°	273.6	113.9	77.0	72.0	83.9	105.2	117.7	99.5	78.2	73.2	73.2
67.5°	100.2	77.6	65.7	57.0	58.8	68.2	76.4	64.5	52.0	44.4	46.3
70°	71.4	65.1	57.6	49.5	45.7	44.4	43.8	36.3	25.7	20.0	21.3
72.5°	57.6	53.8	48.2	41.9	35.7	30.0	25.7	18.8	11.9	8.1	7.5
75°	41.3	39.4	35.1	30.0	25.0	21.3	17.5	11.9	6.3	3.1	3.1
77.5°	21.3	21.3	20.7	18.8	15.6	12.5	10.0	6.9	3.8	1.3	1.3
80°	16.3	17.5	18.2	16.3	14.4	11.3	8.1	5.0	2.5	0.6	0.6
82.5°	15.6	18.2	19.4	16.9	14.4	10.6	8.1	5.0	2.5	0.6	0.6
85°	3.8	3.8	5.6	6.3	8.1	8.8	6.9	4.4	1.9	0.6	0.6
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.6	0.6	0.6	0.6	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)