

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: P526803

Luminaire Tested: **GALN-SA1D-735-U-SL3-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526803  
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-SA1D-735-U-SL3-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3500K, 1200mA 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: 4264 lumens  
Efficiency: N/A  
Efficacy: 65.6 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

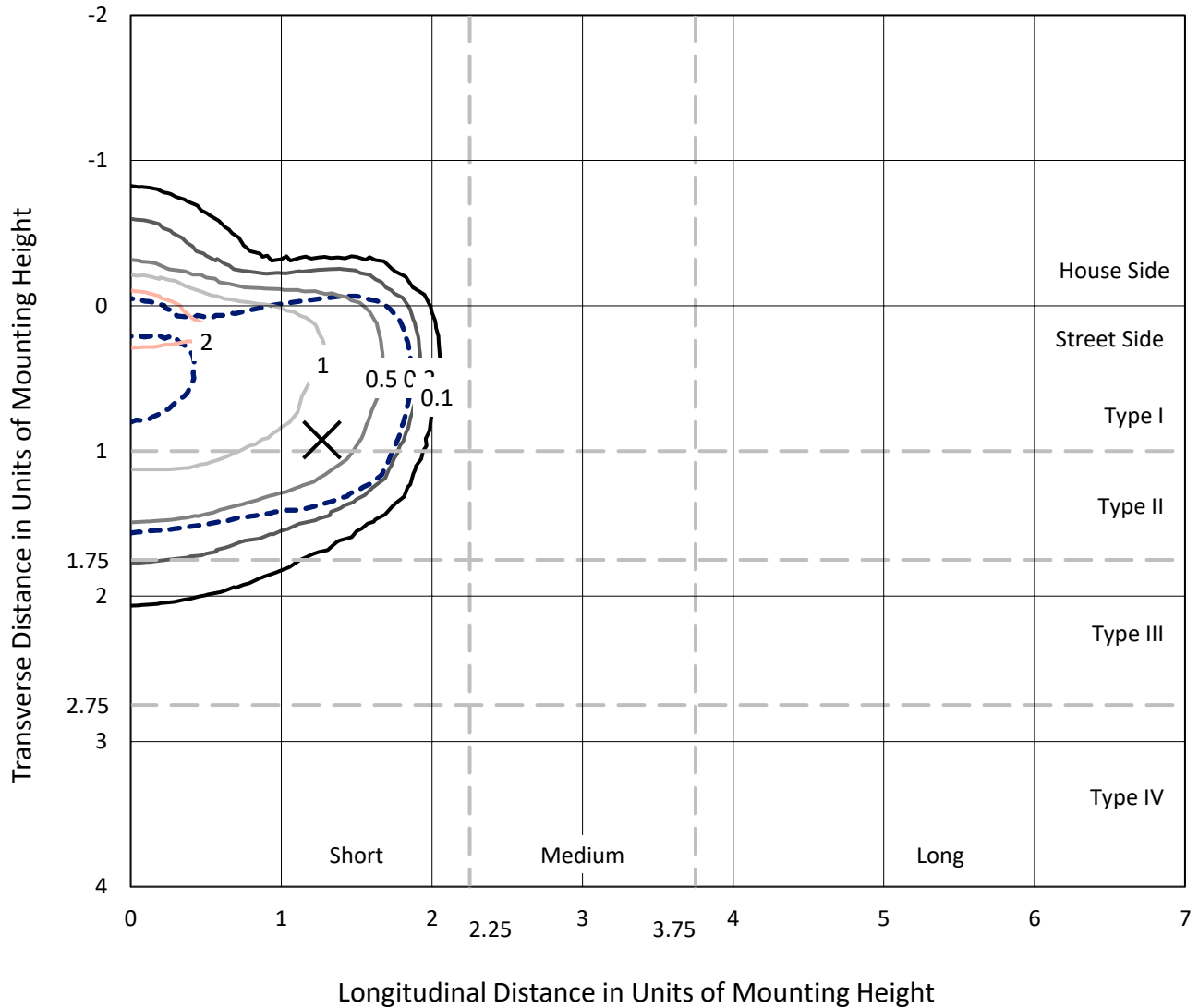
Input Watts (W): 65  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

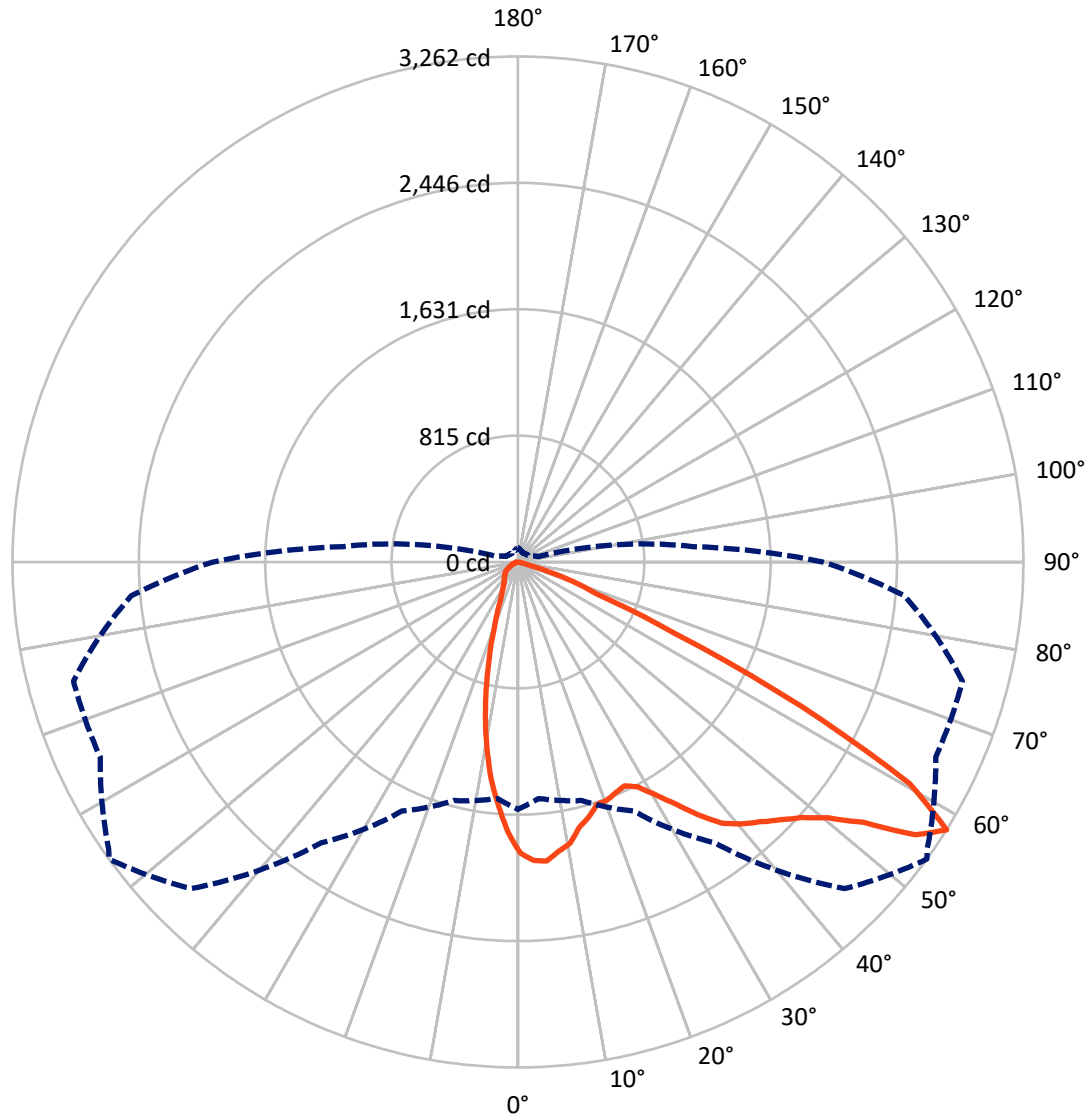
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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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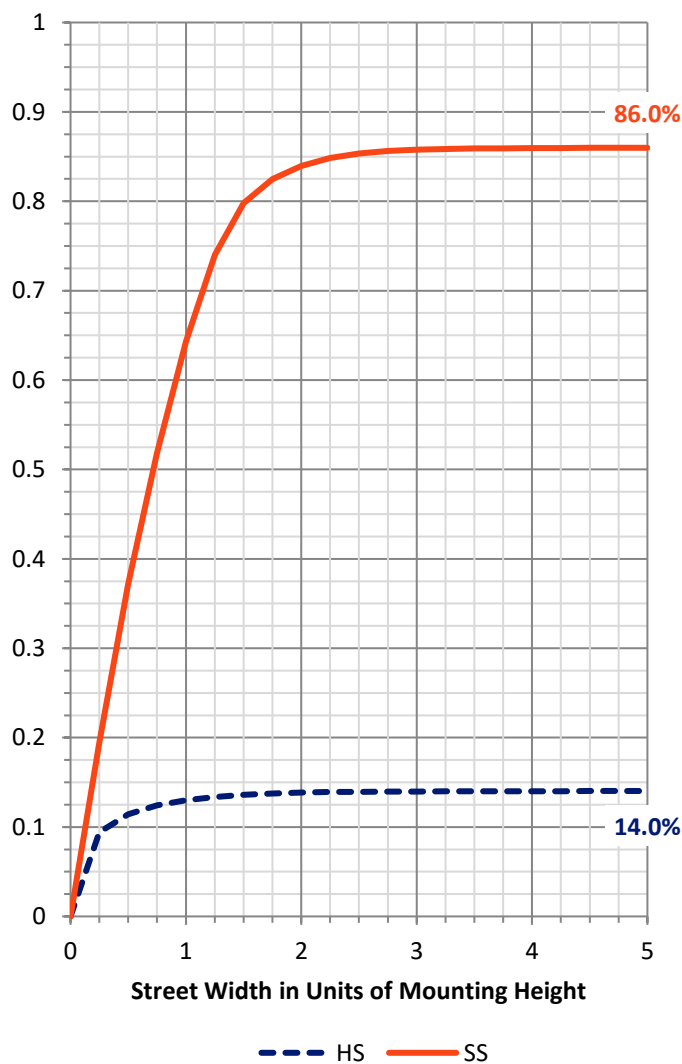
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	602.6	0.0	602.6
	% Fixture	14.1	0.0	14.1
<b>Street Side</b>	Lumens	3661.4	0.0	3661.4
	% Fixture	85.9	0.0	85.9
<b>Total</b>	Lumens	4264.0	0.0	4264.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.2	3.7
10°-20°	335.6	7.9
20°-30°	444.7	10.4
30°-40°	646.3	15.2
40°-50°	958.4	22.5
50°-60°	1198.4	28.1
60°-70°	472.7	11.1
70°-80°	47.1	1.1
80°-90°	3.7	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°	4264.0	100.0
0°-180°	4264.0	100.0

**Coefficient of Utilization**

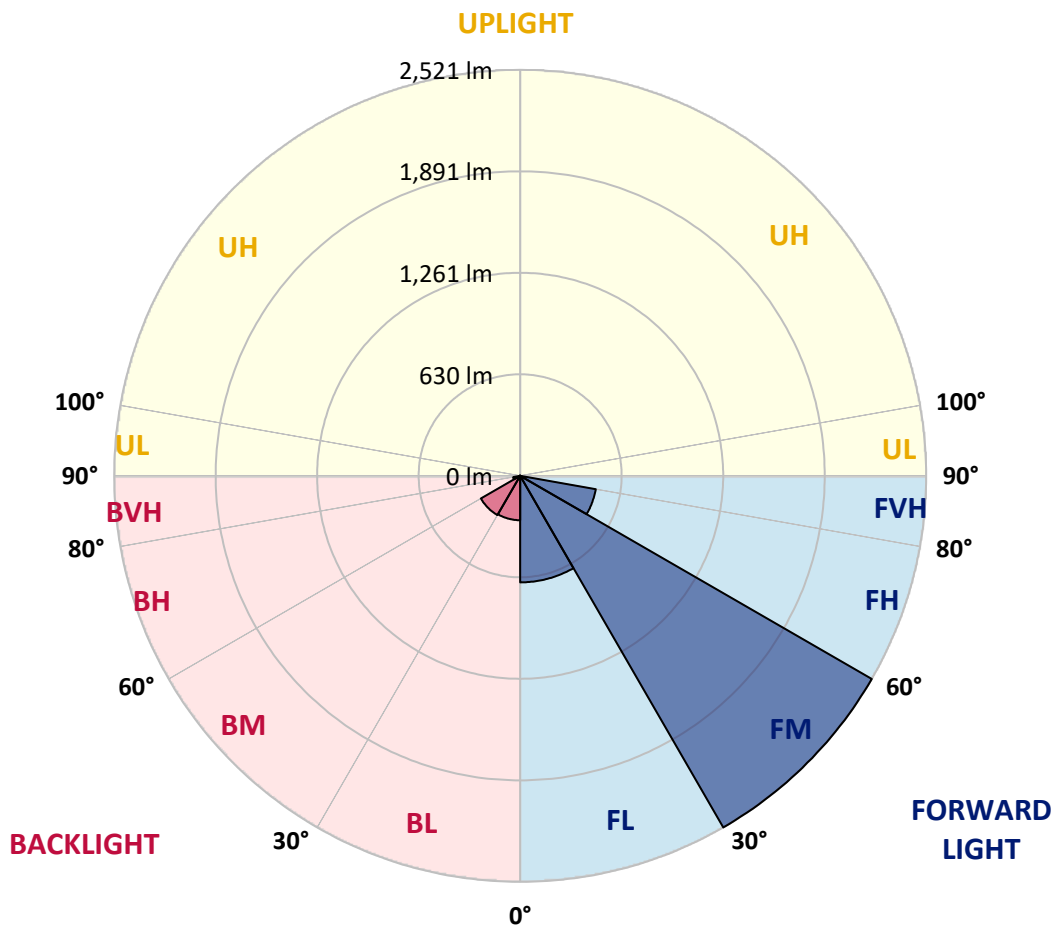


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	661.9	15.5			
FM (30°-60°)	2521.3	59.1			
FH (60°-80°)	476.6	11.2			G0/660
FVH (80°-90°)	1.7	0.0			G0/10
BL (0°-30°)	275.6	6.5	B1/500		
BM (30°-60°)	281.8	6.6	B1/1000		
BH (60°-80°)	43.2	1.0	B0/110		G0/110
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-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1878.3	1878.3	1878.3	1878.3	1878.3	1878.3	1878.3	1878.3	1878.3	1878.3	1878.3
2.5°	1987.8	1967.2	1968.7	1961.6	1952.1	1959.2	1928.3	1935.4	1934.6	1892.6	1864.9
5°	1937.8	1960.0	1937.0	1956.1	1937.8	1957.6	1938.6	1924.3	1901.3	1870.4	1818.9
7.5°	1853.0	1831.6	1837.9	1861.7	1865.7	1910.1	1886.3	1904.5	1895.0	1833.9	1763.4
10°	1682.5	1677.7	1709.5	1741.2	1780.0	1827.6	1845.8	1835.5	1828.4	1805.4	1711.1
12.5°	1551.7	1565.2	1564.4	1616.7	1682.5	1709.5	1757.0	1755.5	1795.1	1752.3	1661.9
15°	1427.2	1434.3	1467.6	1500.1	1573.1	1650.0	1708.7	1716.6	1764.2	1734.0	1623.8
17.5°	1351.1	1340.8	1366.9	1405.8	1480.3	1581.0	1646.0	1665.1	1730.1	1723.7	1580.2
20°	1275.8	1275.8	1297.2	1343.2	1411.3	1524.7	1640.5	1634.9	1730.1	1711.8	1533.4
22.5°	1250.4	1263.1	1268.6	1303.5	1384.4	1481.9	1616.7	1627.0	1743.6	1706.3	1512.8
25°	1285.3	1268.6	1270.2	1298.0	1374.1	1461.3	1599.3	1622.2	1768.1	1734.0	1496.2
27.5°	1290.8	1307.5	1312.2	1331.3	1382.0	1467.6	1642.9	1689.6	1829.2	1799.1	1500.9
30°	1339.2	1355.8	1355.0	1387.6	1422.4	1519.2	1740.4	1749.9	1955.3	1880.7	1530.3
32.5°	1397.9	1415.3	1420.9	1458.9	1486.7	1613.5	1859.3	1883.9	2076.6	2009.2	1607.2
35°	1470.8	1464.5	1489.8	1527.9	1587.4	1751.5	2004.4	2045.6	2207.4	2175.7	1686.5
37.5°	1562.0	1554.1	1578.6	1640.5	1721.4	1914.8	2138.4	2165.4	2302.5	2330.3	1833.2
40°	1626.2	1629.4	1703.9	1787.2	1872.8	2070.2	2223.3	2249.4	2369.1	2474.6	1944.2
42.5°	1733.3	1753.1	1842.7	1944.2	2033.8	2186.8	2292.2	2317.6	2400.1	2590.4	2094.0
45°	1888.7	1879.9	1979.0	2092.4	2191.5	2308.1	2373.9	2365.2	2418.3	2705.3	2188.4
47.5°	2088.5	2090.1	2155.9	2252.6	2355.7	2413.5	2465.1	2434.2	2456.4	2826.6	2314.4
50°	2224.8	2236.7	2289.9	2389.0	2440.5	2529.3	2595.1	2576.1	2569.0	2899.6	2393.7
52.5°	2259.7	2295.4	2324.0	2447.6	2568.2	2708.5	2792.5	2833.0	2706.1	2924.2	2494.4
55°	1996.5	2028.2	2128.9	2298.6	2616.5	2992.4	3108.1	3108.9	2885.3	3033.6	2565.0
57.5°	1596.1	1531.9	1593.7	1773.7	2212.2	2980.5	3261.9	3224.7	2974.9	2969.4	2503.9
60°	1103.7	1087.8	1091.8	1163.2	1531.1	2370.7	2906.7	2955.1	2739.4	2573.7	1982.2
62.5°	874.6	861.1	843.6	835.7	950.7	1477.1	2050.4	2118.6	1915.6	1669.0	1175.1
65°	685.1	677.1	679.5	711.2	710.4	838.1	1121.1	1093.4	875.3	647.0	369.5
67.5°	462.3	474.1	483.7	579.6	628.8	583.6	541.5	525.7	284.6	119.7	81.7
70°	260.1	261.7	272.0	362.3	477.3	452.7	373.4	373.4	141.9	43.6	46.8
72.5°	141.9	137.2	127.7	156.2	212.5	215.7	166.5	145.1	42.0	28.5	26.2
75°	69.0	68.2	58.7	48.4	46.0	38.1	29.3	27.0	19.0	18.2	15.9
77.5°	14.3	13.5	7.1	7.1	7.9	8.7	11.1	11.1	13.5	13.5	11.1
80°	0.0	0.0	0.8	3.2	5.6	7.9	9.5	9.5	11.1	11.1	8.7
82.5°	0.0	0.0	0.8	2.4	4.8	7.1	8.7	9.5	11.1	11.9	9.5
85°	0.0	0.0	0.0	1.6	4.0	5.6	4.8	4.8	4.0	3.2	1.6
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°	1878.3	1878.3	1878.3	1878.3	1878.3	1878.3	1878.3	1878.3	1878.3	1878.3	1878.3
2.5°	1850.6	1849.0	1812.5	1791.9	1754.7	1722.2	1696.0	1677.0	1677.0	1665.1	1654.0
5°	1798.3	1784.8	1707.1	1657.1	1586.6	1534.2	1498.6	1470.8	1427.2	1439.1	1392.3
7.5°	1733.3	1699.2	1596.1	1520.0	1422.4	1347.9	1271.8	1204.4	1139.4	1110.0	1125.9
10°	1663.5	1604.0	1465.3	1344.7	1223.4	1087.0	998.2	890.4	823.8	819.8	802.4
12.5°	1589.7	1522.3	1353.5	1187.0	1027.6	863.5	727.9	627.2	582.0	532.0	541.5
15°	1534.2	1434.3	1229.0	1028.4	816.7	651.0	514.6	436.9	394.1	382.2	378.2
17.5°	1474.0	1366.9	1102.1	859.5	640.7	468.6	370.3	333.0	316.4	316.4	314.0
20°	1411.3	1290.8	976.0	702.5	480.5	349.7	296.5	284.6	283.9	283.1	283.1
22.5°	1370.1	1203.6	861.9	558.2	362.3	279.9	257.7	252.9	256.1	265.6	265.6
25°	1326.5	1119.6	735.8	430.5	280.7	240.2	227.6	230.7	238.7	247.4	244.2
27.5°	1282.1	1064.8	616.9	337.8	229.9	210.1	205.4	212.5	221.2	229.1	226.8
30°	1271.8	1006.2	504.3	256.1	197.4	183.2	186.3	192.7	201.4	204.6	207.7
32.5°	1287.6	960.2	413.1	210.1	172.1	168.1	168.1	171.3	176.8	183.9	181.6
35°	1332.8	934.0	326.7	182.4	157.8	153.8	153.0	156.2	159.4	161.7	159.4
37.5°	1401.8	913.4	267.2	161.7	148.3	141.9	140.3	139.5	142.7	143.5	145.1
40°	1489.8	924.5	226.8	149.1	138.8	131.6	126.9	126.9	126.9	129.2	130.0
42.5°	1585.0	939.6	195.8	141.9	130.0	121.3	116.6	115.0	116.6	119.7	118.9
45°	1684.9	968.9	176.0	130.8	122.1	111.0	104.7	103.1	107.0	113.4	112.6
47.5°	1778.4	1010.9	161.0	123.7	114.2	103.9	95.9	94.4	101.5	110.2	111.0
50°	1872.0	1083.9	155.4	118.1	108.6	96.7	89.6	88.0	95.9	107.0	109.4
52.5°	1979.8	1162.4	151.4	111.0	102.3	91.2	83.3	81.7	90.4	104.7	105.5
55°	2050.4	1229.0	148.3	98.3	90.4	82.5	76.1	75.3	84.8	97.5	100.7
57.5°	1967.9	1136.2	137.2	85.6	76.9	72.9	67.4	67.4	75.3	87.2	89.6
60°	1492.2	747.7	97.5	69.0	65.0	62.6	60.3	60.3	66.6	75.3	76.1
62.5°	873.8	402.8	62.6	55.5	55.5	53.1	49.2	49.2	55.5	60.3	61.1
65°	259.3	129.2	50.7	47.6	46.8	42.8	38.9	38.1	42.8	45.2	44.4
67.5°	74.5	59.5	42.0	39.6	38.9	32.5	30.1	29.3	30.1	28.5	27.8
70°	44.4	40.4	32.5	33.3	29.3	23.8	21.4	20.6	19.0	16.7	15.1
72.5°	24.6	24.6	23.8	25.4	20.6	15.9	13.5	11.1	8.7	7.1	6.3
75°	15.1	15.9	16.7	17.4	13.5	10.3	8.7	5.6	3.2	1.6	1.6
77.5°	10.3	11.1	11.9	12.7	11.1	9.5	7.1	4.0	0.8	0.0	0.0
80°	7.9	8.7	10.3	11.1	11.9	12.7	9.5	4.0	0.8	0.0	0.0
82.5°	8.7	9.5	11.9	11.1	11.1	11.1	8.7	4.0	0.8	0.0	0.0
85°	1.6	2.4	4.0	4.0	5.6	7.1	5.6	1.6	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)