

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: P526985

Luminaire Tested: **GALN-SA2A-727-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526985
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-SA2A-727-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH 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: 4498 lumens
Efficiency: N/A
Efficacy: 71.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

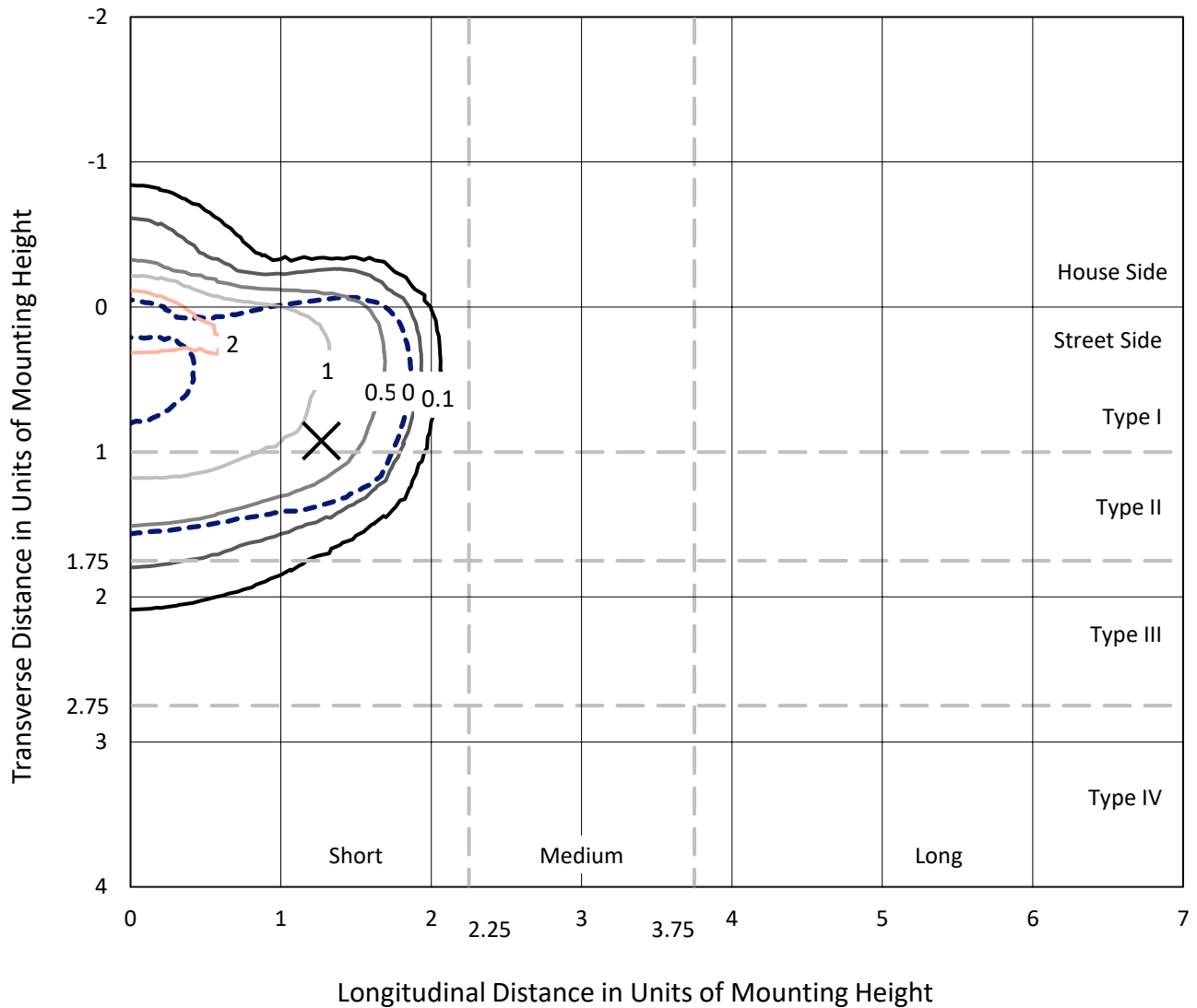
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526985
 CATALOG NUMBER: GALN-SA2A-727-U-SL3-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

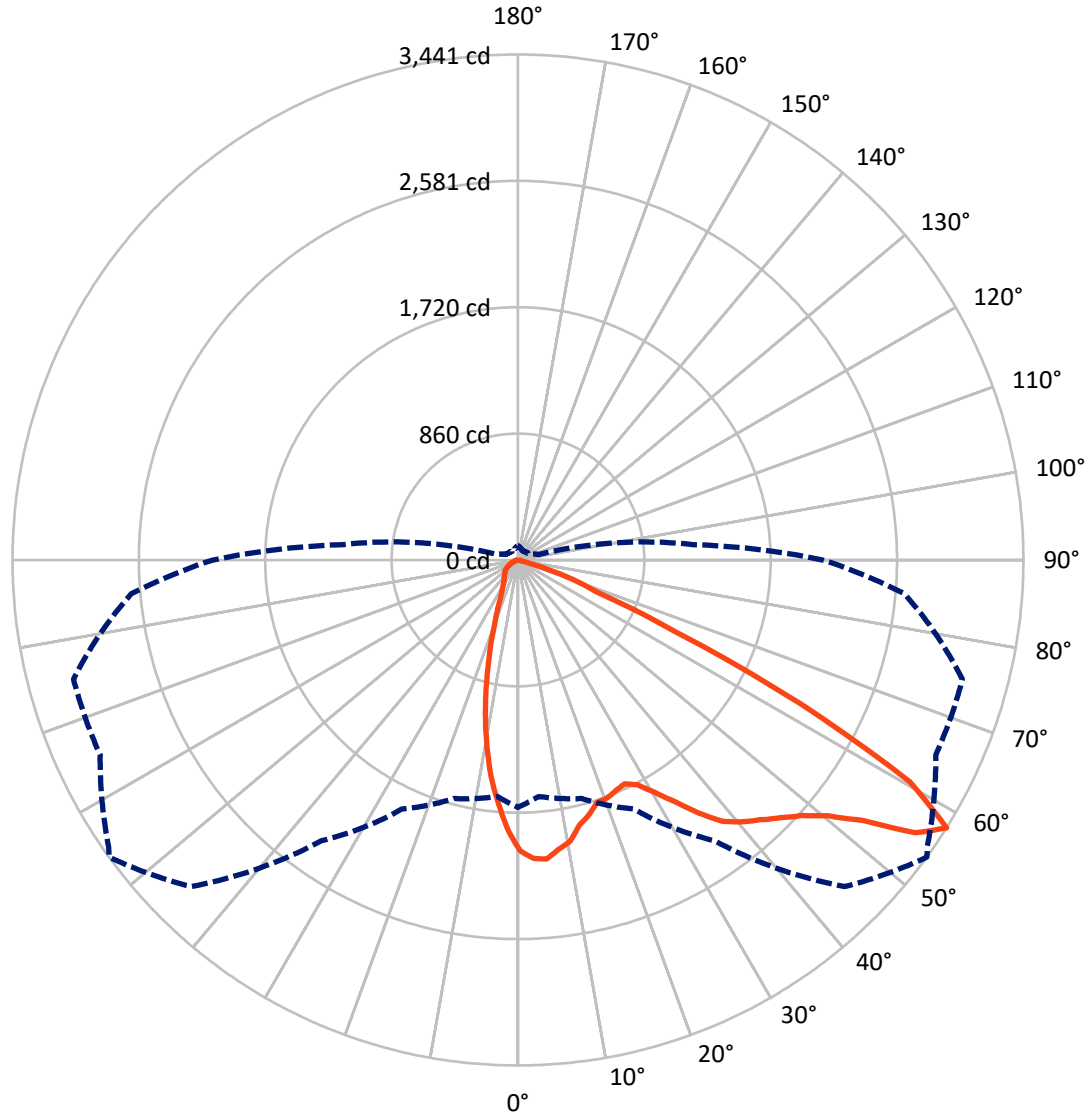
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Short - N/A

REPORT NUMBER: P526985
CATALOG NUMBER: GALN-SA2A-727-U-SL3-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P526985
 CATALOG NUMBER: GALN-SA2A-727-U-SL3-GRSBK

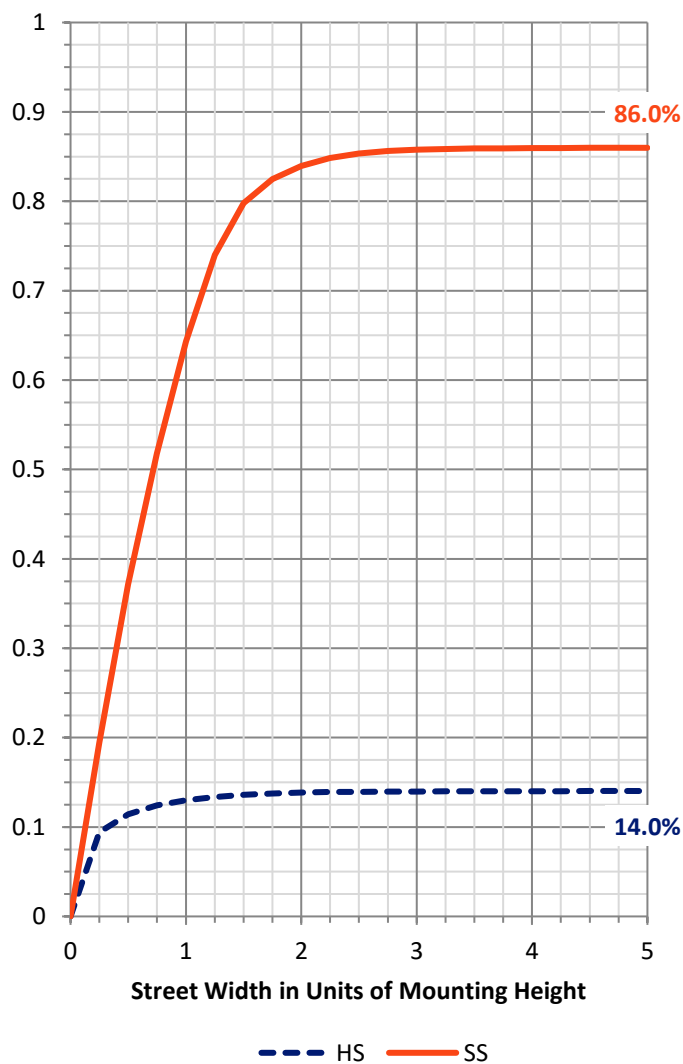
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	635.6	0.0	635.6
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	3862.4	0.0	3862.4
	% Fixture	85.9	0.0	85.9
Total	Lumens	4498.0	0.0	4498.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.8	3.7
10°-20°	354.0	7.9
20°-30°	469.1	10.4
30°-40°	681.8	15.2
40°-50°	1011.0	22.5
50°-60°	1264.2	28.1
60°-70°	498.7	11.1
70°-80°	49.6	1.1
80°-90°	3.9	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°	4498.0	100.0
0°-180°	4498.0	100.0

Coefficient of Utilization

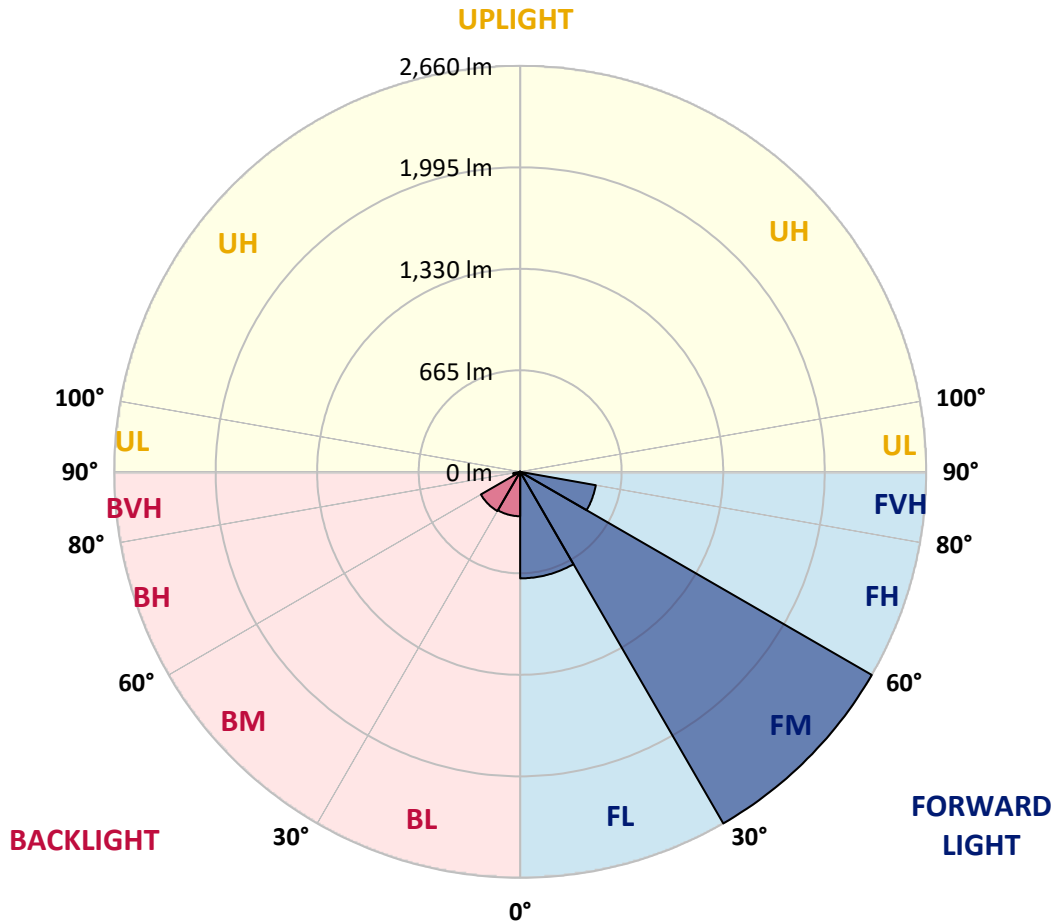


REPORT NUMBER: P526985
 CATALOG NUMBER: GALN-SA2A-727-U-SL3-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	698.2	15.5			
FM (30°-60°)	2659.7	59.1			
FH (60°-80°)	502.7	11.2			G0/660
FVH (80°-90°)	1.8	0.0			G0/10
BL (0°-30°)	290.7	6.5	B1/500		
BM (30°-60°)	297.2	6.6	B1/1000		
BH (60°-80°)	45.6	1.0	B0/110		G0/110
BVH (80°-90°)	2.1	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





REPORT NUMBER: P526985

CATALOG NUMBER: GALN-SA2A-727-U-SL3-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1981.4	1981.4	1981.4	1981.4	1981.4	1981.4	1981.4	1981.4	1981.4	1981.4	1981.4
2.5°	2096.9	2075.1	2076.8	2069.3	2059.2	2066.7	2034.1	2041.7	2040.8	1996.5	1967.2
5°	2044.2	2067.6	2043.3	2063.4	2044.2	2065.1	2045.0	2029.9	2005.7	1973.1	1918.7
7.5°	1954.7	1932.1	1938.8	1963.9	1968.0	2014.9	1989.8	2009.0	1999.0	1934.6	1860.2
10°	1774.8	1769.8	1803.3	1836.7	1877.7	1927.9	1947.1	1936.3	1928.7	1904.5	1804.9
12.5°	1636.8	1651.1	1650.2	1705.4	1774.8	1803.3	1853.5	1851.8	1893.6	1848.4	1753.1
15°	1505.5	1513.0	1548.2	1582.5	1659.4	1740.5	1802.4	1810.8	1861.0	1829.2	1712.9
17.5°	1425.2	1414.4	1442.0	1482.9	1561.6	1667.8	1736.4	1756.4	1825.0	1818.3	1666.9
20°	1345.8	1345.8	1368.3	1416.9	1488.8	1608.4	1730.5	1724.7	1825.0	1805.8	1617.6
22.5°	1319.0	1332.4	1338.2	1375.0	1460.4	1563.2	1705.4	1716.3	1839.2	1799.9	1595.8
25°	1355.8	1338.2	1339.9	1369.2	1449.5	1541.5	1687.0	1711.3	1865.2	1829.2	1578.3
27.5°	1361.7	1379.2	1384.2	1404.3	1457.8	1548.2	1733.0	1782.4	1929.6	1897.8	1583.3
30°	1412.7	1430.2	1429.4	1463.7	1500.5	1602.5	1835.9	1845.9	2062.6	1983.9	1614.3
32.5°	1474.6	1493.0	1498.8	1539.0	1568.2	1702.1	1961.4	1987.3	2190.5	2119.4	1695.4
35°	1551.5	1544.8	1571.6	1611.7	1674.5	1847.6	2114.4	2157.9	2328.5	2295.1	1779.0
37.5°	1647.7	1639.3	1665.3	1730.5	1815.8	2019.9	2255.8	2284.2	2428.9	2458.2	1933.8
40°	1715.5	1718.8	1797.4	1885.2	1975.6	2183.8	2345.3	2372.9	2499.2	2610.4	2050.9
42.5°	1828.4	1849.3	1943.8	2050.9	2145.4	2306.8	2418.0	2444.8	2531.8	2732.5	2208.9
45°	1992.3	1983.1	2087.7	2207.3	2311.8	2434.8	2504.2	2495.0	2551.0	2853.8	2308.5
47.5°	2203.1	2204.7	2274.2	2376.2	2484.9	2546.0	2600.4	2567.7	2591.2	2981.8	2441.4
50°	2346.9	2359.5	2415.5	2520.1	2574.4	2668.1	2737.5	2717.5	2709.9	3058.7	2525.1
52.5°	2383.7	2421.4	2451.5	2582.0	2709.1	2857.1	2945.8	2988.5	2854.6	3084.6	2631.3
55°	2106.1	2139.5	2245.7	2424.7	2760.1	3156.6	3278.7	3279.5	3043.7	3200.1	2705.8
57.5°	1683.7	1615.9	1681.2	1871.0	2333.6	3144.0	3440.9	3401.6	3138.2	3132.3	2641.3
60°	1164.3	1147.5	1151.7	1227.0	1615.1	2500.8	3066.2	3117.3	2889.8	2715.0	2091.0
62.5°	922.5	908.3	889.9	881.6	1002.8	1558.2	2162.9	2234.9	2020.7	1760.6	1239.5
65°	722.6	714.3	716.8	750.3	749.4	884.1	1182.7	1153.4	923.4	682.5	389.8
67.5°	487.6	500.2	510.2	611.4	663.3	615.6	571.3	554.5	300.3	126.3	86.1
70°	274.3	276.0	286.9	382.2	503.5	477.6	393.9	393.9	149.7	46.0	49.3
72.5°	149.7	144.7	134.7	164.8	224.2	227.5	175.6	153.1	44.3	30.1	27.6
75°	72.8	71.9	61.9	51.0	48.5	40.1	30.9	28.4	20.1	19.2	16.7
77.5°	15.1	14.2	7.5	7.5	8.4	9.2	11.7	11.7	14.2	14.2	11.7
80°	0.0	0.0	0.8	3.3	5.9	8.4	10.0	10.0	11.7	11.7	9.2
82.5°	0.0	0.0	0.8	2.5	5.0	7.5	9.2	10.0	11.7	12.5	10.0
85°	0.0	0.0	0.0	1.7	4.2	5.9	5.0	5.0	4.2	3.3	1.7
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



REPORT NUMBER: P526985
 CATALOG NUMBER: GALN-SA2A-727-U-SL3-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1981.4	1981.4	1981.4	1981.4	1981.4	1981.4	1981.4	1981.4	1981.4	1981.4	1981.4
2.5°	1952.2	1950.5	1912.0	1890.3	1851.0	1816.7	1789.1	1769.0	1769.0	1756.4	1744.7
5°	1897.0	1882.7	1800.8	1748.1	1673.6	1618.4	1580.8	1551.5	1505.5	1518.1	1468.7
7.5°	1828.4	1792.4	1683.7	1603.4	1500.5	1421.9	1341.6	1270.5	1201.9	1171.0	1187.7
10°	1754.8	1692.0	1545.7	1418.5	1290.6	1146.7	1053.0	939.3	869.0	864.8	846.4
12.5°	1677.0	1605.9	1427.7	1252.1	1084.0	910.8	767.8	661.6	613.9	561.2	571.3
15°	1618.4	1513.0	1296.4	1084.8	861.5	686.7	542.8	460.9	415.7	403.1	399.0
17.5°	1554.9	1442.0	1162.6	906.7	675.8	494.3	390.6	351.3	333.7	333.7	331.2
20°	1488.8	1361.7	1029.6	741.0	506.9	368.9	312.8	300.3	299.4	298.6	298.6
22.5°	1445.3	1269.7	909.2	588.8	382.2	295.2	271.8	266.8	270.2	280.2	280.2
25°	1399.3	1181.0	776.2	454.2	296.1	253.4	240.0	243.4	251.8	261.0	257.6
27.5°	1352.5	1123.3	650.7	356.3	242.6	221.6	216.6	224.2	233.4	241.7	239.2
30°	1341.6	1061.4	531.9	270.2	208.3	193.2	196.6	203.2	212.4	215.8	219.1
32.5°	1358.3	1012.9	435.8	221.6	181.5	177.3	177.3	180.7	186.5	194.0	191.5
35°	1406.0	985.3	344.6	192.4	166.4	162.3	161.4	164.8	168.1	170.6	168.1
37.5°	1478.8	963.5	281.9	170.6	156.4	149.7	148.0	147.2	150.6	151.4	153.1
40°	1571.6	975.2	239.2	157.2	146.4	138.8	133.8	133.8	133.8	136.3	137.2
42.5°	1672.0	991.1	206.6	149.7	137.2	128.0	123.0	121.3	123.0	126.3	125.5
45°	1777.3	1022.1	185.7	138.0	128.8	117.1	110.4	108.7	112.9	119.6	118.8
47.5°	1876.0	1066.4	169.8	130.5	120.4	109.6	101.2	99.5	107.1	116.3	117.1
50°	1974.7	1143.4	163.9	124.6	114.6	102.0	94.5	92.8	101.2	112.9	115.4
52.5°	2088.5	1226.2	159.8	117.1	107.9	96.2	87.8	86.1	95.3	110.4	111.2
55°	2162.9	1296.4	156.4	103.7	95.3	87.0	80.3	79.5	89.5	102.9	106.2
57.5°	2075.9	1198.6	144.7	90.3	81.1	76.9	71.1	71.1	79.5	92.0	94.5
60°	1574.1	788.7	102.9	72.8	68.6	66.1	63.6	63.6	70.3	79.5	80.3
62.5°	921.7	424.9	66.1	58.5	58.5	56.0	51.9	51.9	58.5	63.6	64.4
65°	273.5	136.3	53.5	50.2	49.3	45.2	41.0	40.1	45.2	47.7	46.8
67.5°	78.6	62.7	44.3	41.8	41.0	34.3	31.8	30.9	31.8	30.1	29.3
70°	46.8	42.7	34.3	35.1	30.9	25.1	22.6	21.7	20.1	17.6	15.9
72.5°	25.9	25.9	25.1	26.8	21.7	16.7	14.2	11.7	9.2	7.5	6.7
75°	15.9	16.7	17.6	18.4	14.2	10.9	9.2	5.9	3.3	1.7	1.7
77.5°	10.9	11.7	12.5	13.4	11.7	10.0	7.5	4.2	0.8	0.0	0.0
80°	8.4	9.2	10.9	11.7	12.5	13.4	10.0	4.2	0.8	0.0	0.0
82.5°	9.2	10.0	12.5	11.7	11.7	11.7	9.2	4.2	0.8	0.0	0.0
85°	1.7	2.5	4.2	4.2	5.9	7.5	5.9	1.7	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)