

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P632327

Luminaire Tested: GWS-SA2C-740-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632327
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-740-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9238.4 lumens
Efficiency: N/A
Efficacy: 146.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B3 - U0 - G3

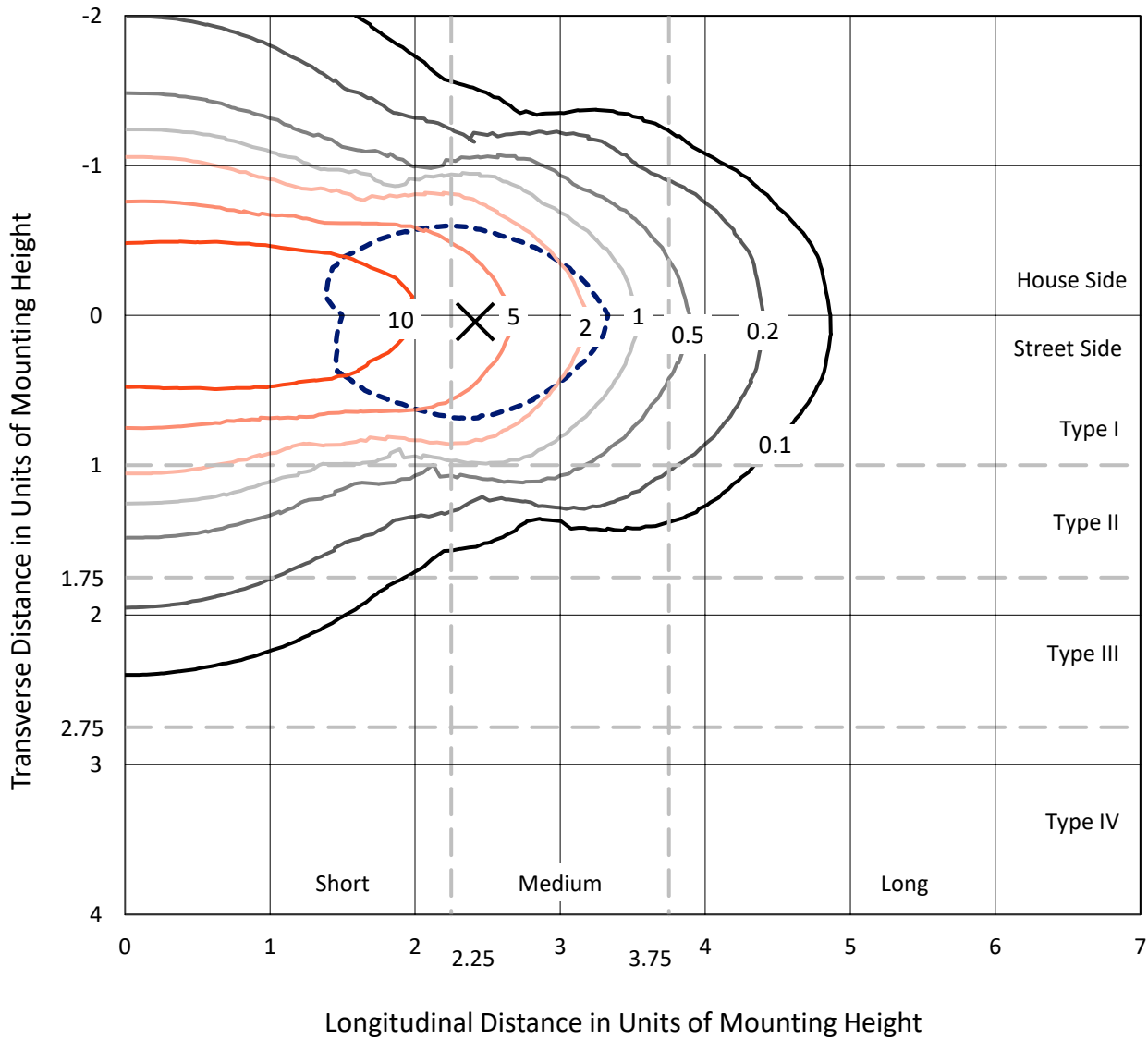
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

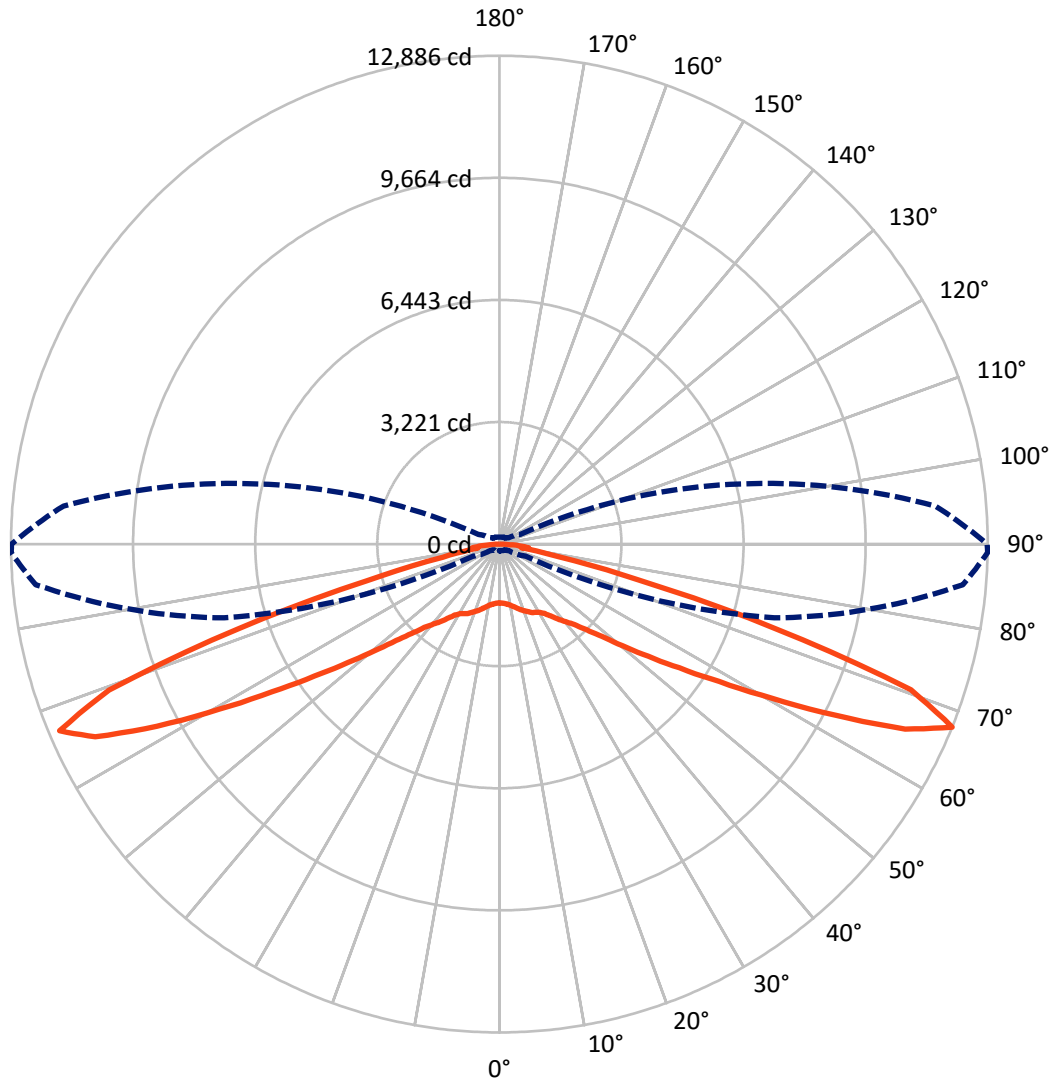
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.9 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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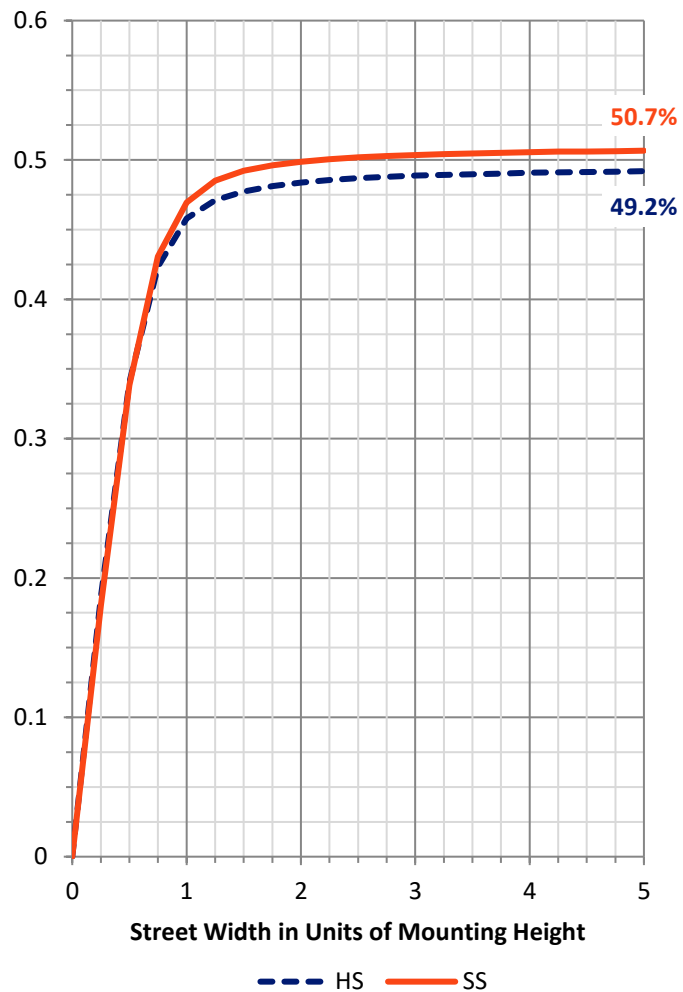
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4578.7	0.0	4578.7
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	4659.7	0.0	4659.7
	% Fixture	50.4	0.0	50.4
Total	Lumens	9238.4	0.0	9238.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.5	1.7
10°-20°	506.4	5.5
20°-30°	856.1	9.3
30°-40°	1174.9	12.7
40°-50°	1498.3	16.2
50°-60°	1879.8	20.3
60°-70°	2267.2	24.5
70°-80°	820.2	8.9
80°-90°	79.8	0.9
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°	9238.4	100.0
0°-180°	9238.4	100.0

Coefficient of Utilization



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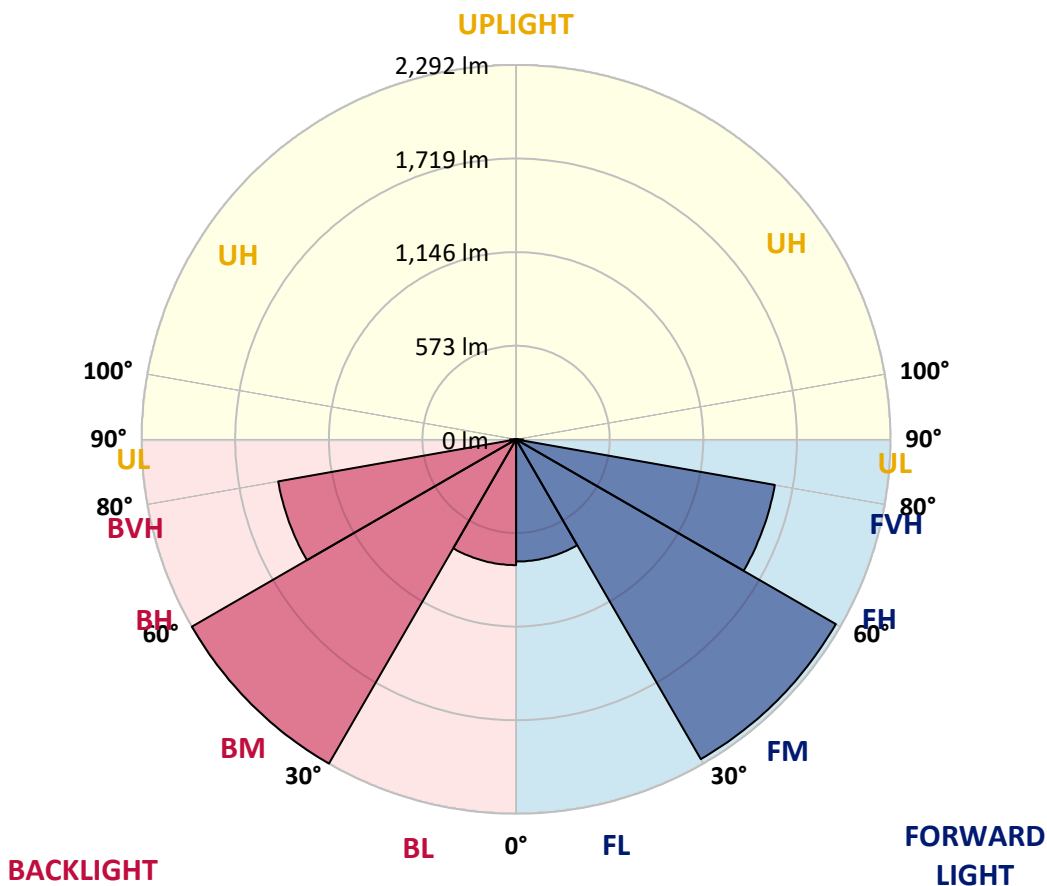
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	748.2	8.1			
FM (30°-60°)	2260.8	24.5			
FH (60°-80°)	1608.6	17.4			G1/1800
FVH (80°-90°)	42.1	0.5			G1/100
BL (0°-30°)	769.9	8.3	B2/1000		
BM (30°-60°)	2292.2	24.8	B2/2500		
BH (60°-80°)	1478.9	16.0	B3/2500		G3/2500
BVH (80°-90°)	37.7	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6
2.5°	1555.2	1553.9	1550.6	1560.5	1558.6	1559.2	1563.2	1560.5	1555.9	1547.9	1559.2
5°	1599.0	1598.4	1591.1	1597.0	1590.4	1585.8	1585.1	1578.5	1573.1	1564.5	1576.5
7.5°	1641.5	1640.8	1634.9	1645.5	1640.2	1634.9	1628.9	1615.6	1603.0	1590.4	1603.7
10°	1674.0	1673.3	1672.0	1687.3	1688.6	1690.6	1687.9	1665.4	1643.5	1628.2	1641.5
12.5°	1692.6	1694.6	1697.9	1725.8	1739.7	1753.0	1756.3	1737.7	1701.2	1679.3	1695.2
15°	1680.0	1684.0	1700.5	1751.0	1789.4	1819.3	1831.9	1816.7	1769.5	1733.1	1751.0
17.5°	1619.6	1622.9	1655.4	1732.4	1817.3	1886.3	1906.9	1897.6	1845.2	1800.7	1818.0
20°	1536.0	1543.3	1578.5	1685.9	1812.7	1932.8	1987.8	1984.5	1927.5	1859.1	1879.7
22.5°	1460.4	1469.0	1506.1	1624.9	1781.5	1944.7	2069.4	2078.1	2002.4	1917.5	1934.1
25°	1375.4	1383.4	1431.2	1552.6	1727.7	1935.4	2139.1	2178.3	2087.4	1984.5	1999.8
27.5°	1288.5	1294.5	1341.6	1471.0	1657.4	1918.2	2194.2	2288.4	2171.0	2031.0	2041.6
30°	1212.2	1220.2	1263.3	1389.4	1580.4	1883.7	2239.3	2405.8	2267.2	2083.4	2092.0
32.5°	1138.6	1145.2	1192.3	1309.1	1498.8	1830.6	2279.8	2543.8	2409.8	2180.9	2180.9
35°	1045.7	1057.6	1110.7	1232.1	1421.9	1760.3	2309.0	2704.4	2604.9	2324.9	2325.6
37.5°	960.1	966.7	1022.4	1145.2	1340.9	1680.6	2311.6	2870.9	2851.7	2508.0	2509.3
40°	862.5	871.2	930.9	1052.3	1248.0	1597.0	2286.4	3026.2	3110.5	2696.4	2689.2
42.5°	763.7	776.3	833.4	952.1	1147.8	1494.9	2219.4	3174.2	3438.9	2914.7	2896.8
45°	668.1	676.1	733.2	845.3	1033.1	1372.8	2111.9	3316.2	3829.0	3246.5	3220.6
47.5°	560.7	564.0	623.0	730.5	914.3	1236.8	1958.0	3442.9	4257.7	3685.7	3641.3
50°	465.1	469.8	516.2	608.4	769.0	1075.5	1766.2	3517.2	4803.7	4284.9	4207.9
52.5°	376.2	380.8	418.0	491.7	635.6	891.7	1528.7	3499.9	5357.7	5028.6	4916.5
55°	303.9	307.2	332.4	390.1	500.3	709.3	1248.0	3345.3	5972.8	6000.0	5758.5
57.5°	256.8	258.1	275.4	310.5	390.8	546.7	963.4	2980.4	6617.7	7239.4	6842.6
60°	229.6	230.2	238.2	260.1	308.5	417.3	706.0	2399.2	7285.9	8790.0	8245.9
62.5°	212.3	212.3	219.0	231.6	256.1	321.1	518.9	1723.1	7765.6	10477.3	9936.5
65°	195.7	195.7	200.4	211.0	224.3	262.1	389.5	1111.4	8001.1	11887.9	11767.8
67.5°	174.5	175.2	178.5	189.8	201.7	219.0	295.3	751.7	7512.1	12278.0	12885.8
70°	154.6	155.3	159.9	167.2	177.2	189.1	230.9	518.2	5467.9	10225.8	11521.6
72.5°	132.7	135.4	138.7	146.6	152.6	161.2	188.4	335.7	3181.5	6577.9	7616.3
75°	108.8	112.1	116.1	124.1	128.1	131.4	155.3	239.5	1530.7	3333.4	3795.9
77.5°	84.3	87.6	92.2	99.5	102.2	106.2	118.8	173.2	733.2	1477.6	1593.1
80°	56.4	57.7	61.7	70.3	75.0	77.6	87.6	118.1	318.5	593.2	587.9
82.5°	34.5	35.2	36.5	41.8	43.8	46.4	57.1	72.3	151.9	674.1	773.0
85°	12.6	11.9	11.3	14.6	17.3	19.9	26.5	36.5	66.3	463.1	518.2
87.5°	0.0	0.0	0.0	0.7	1.3	1.3	2.7	5.3	15.9	173.2	118.8
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°	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6	1550.6
2.5°	1555.9	1548.6	1557.9	1564.5	1579.1	1584.4	1585.8	1581.1	1581.1	1573.1	1574.5
5°	1573.8	1569.2	1584.4	1595.7	1616.9	1624.9	1630.2	1626.9	1628.9	1623.6	1624.9
7.5°	1601.0	1597.0	1623.6	1645.5	1667.4	1676.7	1681.3	1678.6	1679.3	1672.7	1674.7
10°	1638.8	1640.2	1672.0	1700.5	1729.7	1739.0	1741.0	1733.1	1726.4	1714.5	1715.1
12.5°	1690.6	1697.2	1742.3	1774.2	1804.0	1817.3	1802.7	1773.5	1746.3	1725.8	1723.1
15°	1747.0	1758.9	1824.0	1864.4	1896.9	1890.3	1847.2	1781.5	1727.7	1697.2	1691.3
17.5°	1814.7	1832.6	1914.2	1962.6	1990.5	1948.0	1857.8	1759.6	1684.6	1643.5	1635.5
20°	1878.4	1906.9	2009.7	2072.8	2076.1	1980.5	1853.1	1715.1	1620.9	1570.5	1559.9
22.5°	1936.7	1973.2	2109.9	2190.2	2147.1	1995.1	1824.6	1652.1	1544.0	1484.9	1475.6
25°	2000.4	2052.2	2226.7	2301.7	2218.1	1989.2	1764.9	1573.8	1451.1	1390.7	1384.1
27.5°	2044.2	2109.3	2344.1	2415.8	2276.5	1955.3	1687.9	1488.2	1366.1	1309.1	1299.8
30°	2094.7	2177.6	2473.5	2539.9	2312.3	1905.6	1605.7	1408.6	1287.2	1225.5	1218.8
32.5°	2186.2	2290.4	2634.1	2671.2	2323.6	1843.9	1526.7	1331.6	1204.9	1143.2	1133.9
35°	2333.5	2455.6	2859.7	2817.9	2314.9	1776.2	1451.7	1241.4	1120.6	1062.9	1053.6
37.5°	2519.3	2671.2	3111.1	2949.9	2291.1	1701.9	1362.8	1165.8	1045.0	986.6	981.3
40°	2692.5	2879.6	3393.1	3064.0	2242.6	1610.3	1277.2	1086.8	963.4	901.7	889.7
42.5°	2909.4	3158.2	3719.6	3162.9	2163.0	1500.8	1181.0	989.3	861.2	805.5	790.9
45°	3239.2	3548.4	4099.1	3257.8	2044.2	1366.1	1060.3	870.5	749.1	692.0	680.7
47.5°	3650.6	4036.0	4510.4	3314.2	1863.8	1224.2	923.6	745.1	623.7	559.3	554.0
50°	4228.5	4745.3	4951.7	3304.2	1662.1	1055.6	769.7	595.8	494.3	447.9	440.6
52.5°	4932.4	5635.7	5428.7	3184.8	1447.7	863.9	599.8	467.8	392.1	359.0	353.0
55°	5815.5	6702.0	5931.0	2928.7	1177.0	661.5	471.1	368.9	317.2	297.2	294.6
57.5°	6909.0	8082.7	6414.7	2497.4	885.1	504.9	362.9	304.5	280.0	268.1	267.4
60°	8352.1	9548.4	6834.7	1940.7	633.6	386.2	299.9	272.0	252.8	244.8	244.2
62.5°	10067.9	10879.3	7096.1	1321.7	476.4	307.9	264.1	246.8	235.5	230.9	230.2
65°	11831.5	11720.7	6971.4	865.9	361.6	261.4	236.9	227.6	217.6	213.0	213.0
67.5°	12873.2	11542.8	6013.9	601.1	286.6	229.6	213.6	205.0	188.4	184.5	184.5
70°	11402.2	9353.3	3941.8	439.9	232.2	201.0	185.8	173.8	167.2	163.2	162.6
72.5°	7541.3	6086.3	2096.0	305.2	193.7	171.2	157.2	152.6	144.6	140.7	140.0
75°	3753.4	3196.7	1074.2	220.3	161.2	137.3	131.4	129.4	122.7	117.4	116.1
77.5°	1564.5	1423.2	500.9	159.9	122.7	110.8	105.5	105.5	98.2	92.2	89.6
80°	589.8	525.5	236.9	109.5	90.9	82.3	79.0	76.3	70.3	63.0	59.1
82.5°	788.9	515.5	116.1	68.3	59.7	53.1	48.4	46.4	43.1	39.8	37.2
85°	510.9	366.2	52.4	35.2	29.9	22.6	19.9	18.6	16.6	14.6	13.3
87.5°	104.2	122.7	15.9	6.6	4.0	2.0	2.0	0.7	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)