

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: P635573

Luminaire Tested: GWS-SA3E-722-U-T2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635573  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3E-722-U-T2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

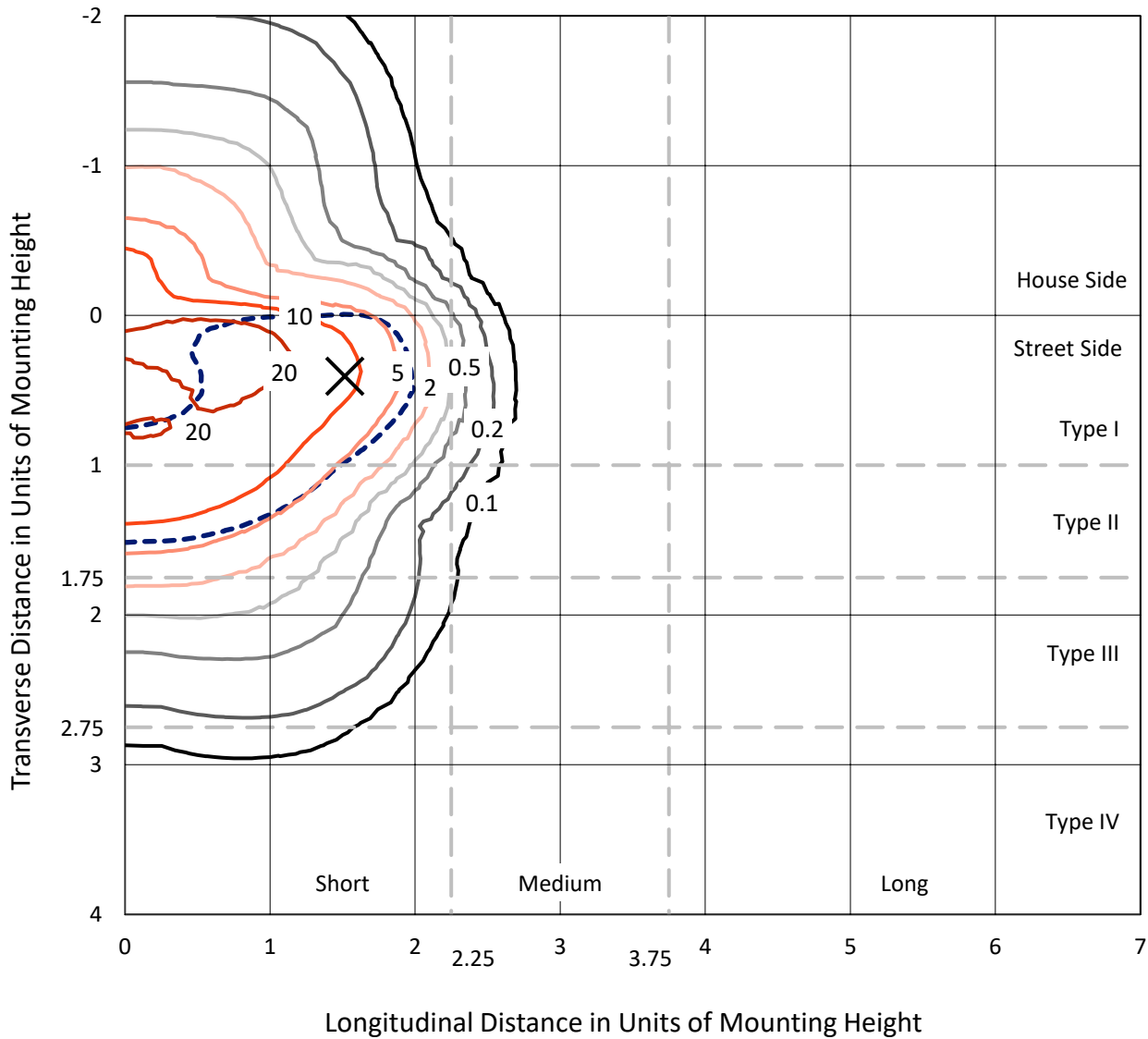
Lumens per Lamp: N/A  
Luminaire Lumens: 9622.1 lumens  
Efficiency: N/A  
Efficacy: 60.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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

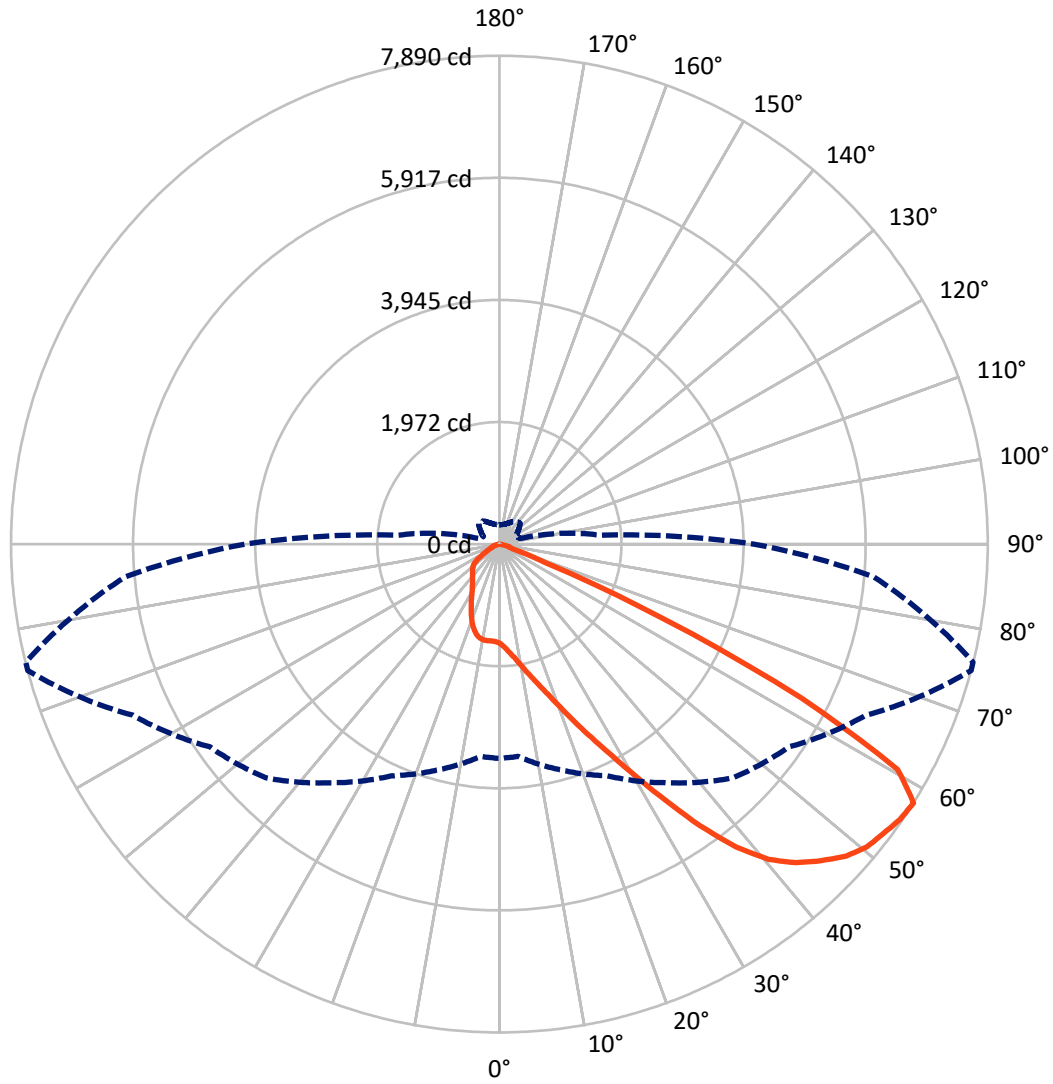
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 30 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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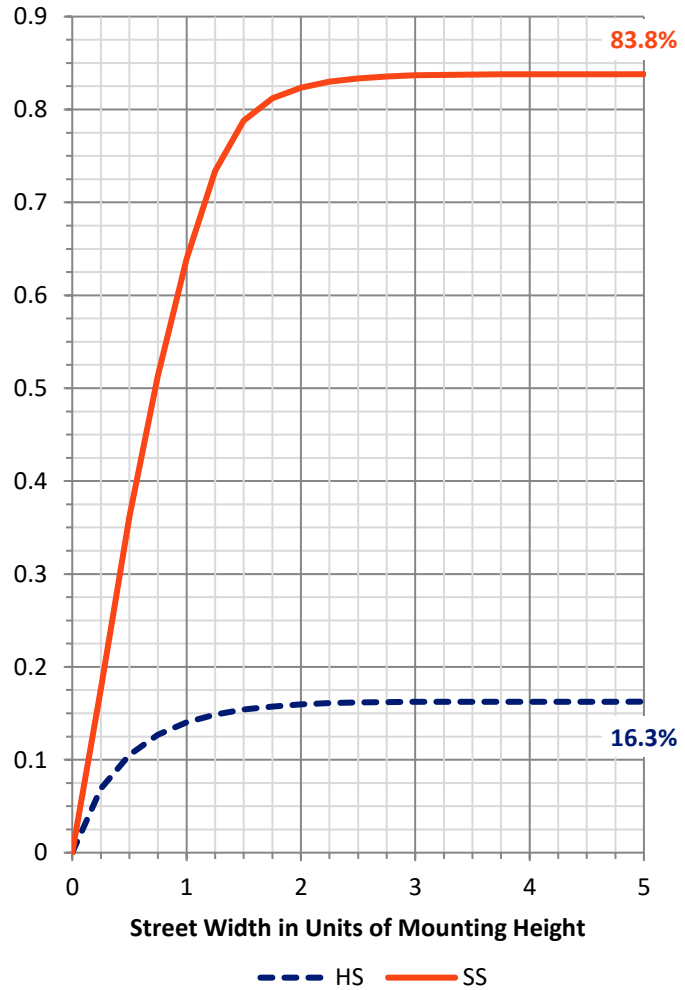
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1571.8	0.0	1571.8
	% Fixture	16.3	0.0	16.3
<b>Street Side</b>	Lumens	8050.4	0.0	8050.4
	% Fixture	83.7	0.0	83.7
<b>Total</b>	Lumens	9622.1	0.0	9622.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.3	1.7
10°-20°	530.5	5.5
20°-30°	971.4	10.1
30°-40°	1611.7	16.8
40°-50°	2461.5	25.6
50°-60°	2765.9	28.7
60°-70°	1020.2	10.6
70°-80°	97.5	1.0
80°-90°	0.1	0.0
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°	9622.1	100.0
0°-180°	9622.1	100.0

**Coefficient of Utilization**



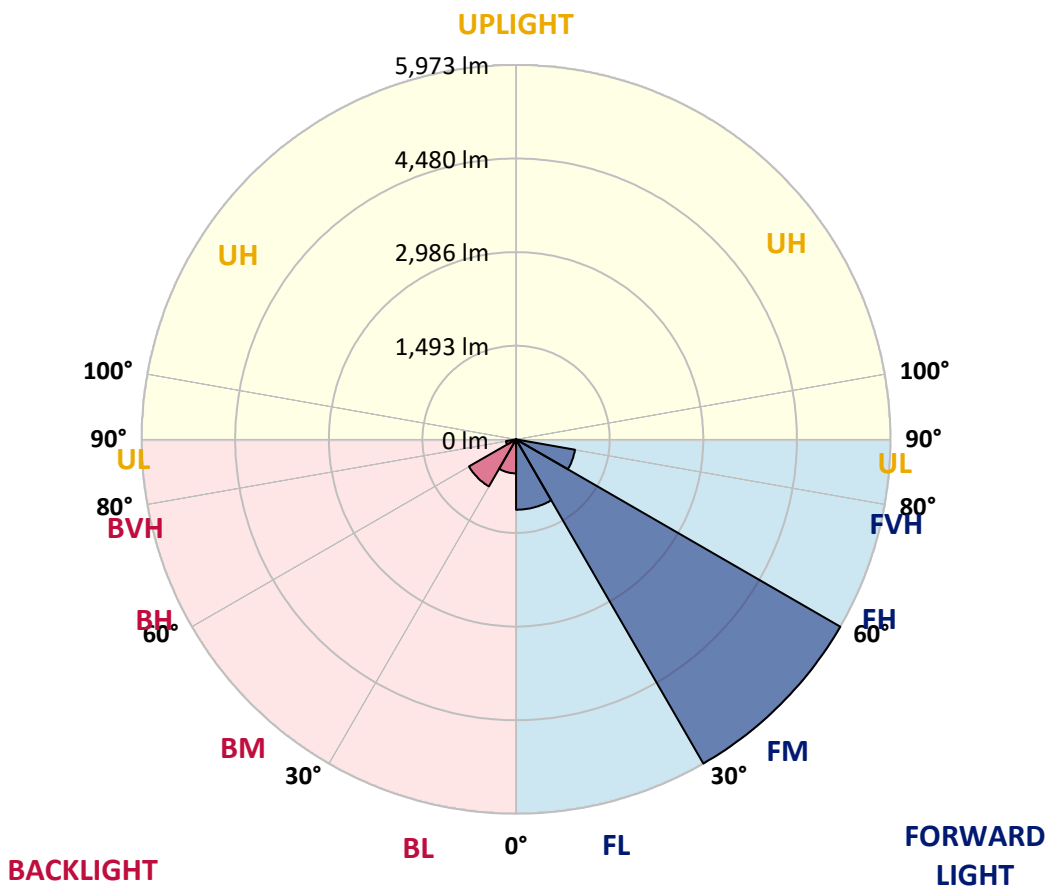
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1122.9	11.7			
FM (30°-60°)	5973.0	62.1			
FH (60°-80°)	954.5	9.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	542.4	5.6	B2/1000		
BM (30°-60°)	866.1	9.0	B1/1000		
BH (60°-80°)	163.2	1.7	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1604.8	1604.8	1604.8	1604.8	1604.8	1604.8	1604.8	1604.8	1604.8	1604.8	1604.8
2.5°	1793.0	1811.5	1805.7	1794.1	1787.1	1762.8	1747.7	1703.5	1672.2	1668.7	1639.7
5°	2019.4	2015.9	2011.3	1997.3	1985.7	1947.4	1902.1	1827.8	1761.6	1753.5	1691.9
7.5°	2143.6	2146.0	2148.3	2146.0	2137.8	2108.8	2058.9	1971.8	1870.8	1863.8	1766.2
10°	2194.7	2199.4	2211.0	2233.1	2252.8	2250.5	2221.5	2132.0	2007.8	1996.2	1864.9
12.5°	2219.1	2224.9	2243.5	2285.3	2338.7	2380.5	2385.2	2305.1	2168.0	2149.5	1982.2
15°	2252.8	2258.6	2281.8	2336.4	2414.2	2496.7	2550.1	2499.0	2345.7	2326.0	2111.1
17.5°	2267.9	2276.0	2309.7	2381.7	2482.7	2609.3	2730.1	2725.4	2555.9	2540.8	2260.9
20°	2296.9	2302.7	2332.9	2410.7	2532.7	2715.0	2918.2	2991.4	2812.5	2790.5	2442.1
22.5°	2388.7	2391.0	2404.9	2453.7	2567.5	2791.6	3109.8	3301.4	3115.6	3086.6	2645.3
25°	2538.5	2537.3	2543.1	2551.2	2634.9	2869.4	3294.4	3650.9	3462.8	3431.5	2875.2
27.5°	2728.9	2728.9	2742.8	2719.6	2753.3	2965.8	3476.7	4052.7	3866.9	3822.8	3127.2
30°	2953.0	2951.9	2984.4	2947.2	2957.7	3117.9	3673.0	4490.5	4354.6	4300.1	3417.5
32.5°	3257.3	3250.3	3287.5	3236.4	3201.5	3347.9	3912.2	4948.0	4938.7	4855.1	3782.2
35°	3641.6	3630.0	3641.6	3591.7	3529.0	3669.5	4225.7	5404.4	5586.7	5498.5	4216.5
37.5°	4023.7	4060.9	4073.6	3987.7	3936.6	4077.1	4603.2	5813.2	6205.7	6113.9	4668.2
40°	4474.3	4462.6	4506.8	4410.4	4377.9	4533.5	4972.4	6117.4	6695.7	6608.6	5070.0
42.5°	4806.4	4827.3	4881.8	4828.4	4802.9	4949.2	5282.5	6295.1	7035.9	6950.0	5356.8
45°	5204.7	5219.8	5240.7	5196.5	5169.8	5313.8	5506.6	6372.9	7294.9	7202.0	5549.6
47.5°	5635.5	5647.1	5647.1	5556.5	5470.6	5529.8	5656.4	6417.0	7533.0	7443.5	5692.4
50°	5944.4	5950.2	6001.3	5937.4	5750.5	5658.7	5724.9	6460.0	7690.9	7607.3	5738.8
52.5°	5670.3	5663.4	5831.7	5964.1	6014.1	5831.7	5843.4	6522.7	7767.5	7695.5	5776.0
55°	4775.0	4763.4	5000.3	5322.0	5762.1	5995.5	5986.2	6559.8	7852.3	7808.2	5910.7
57.5°	3461.7	3441.9	3771.7	4129.4	4706.5	5339.4	5711.0	6538.9	7889.5	7886.0	6067.5
60°	2080.9	2064.7	2375.9	2752.1	3198.1	3834.4	4451.0	5857.3	7392.4	7399.4	5659.9
62.5°	1280.8	1295.9	1577.0	1768.6	1934.6	2126.2	2482.7	3940.1	5476.4	5521.7	3977.2
65°	861.6	873.3	1133.4	1374.9	1374.9	1124.1	965.0	1883.5	2921.7	2845.0	1881.2
67.5°	578.3	591.1	796.6	1078.8	1119.4	783.8	391.3	562.0	814.0	789.6	465.7
70°	340.2	354.2	530.7	739.7	815.2	545.8	261.3	238.1	231.1	224.1	181.2
72.5°	152.1	157.9	270.6	376.2	343.7	229.9	184.6	190.4	180.0	176.5	147.5
75°	46.4	48.8	69.7	81.3	82.4	82.4	111.5	149.8	141.7	142.8	113.8
77.5°	11.6	11.6	18.6	17.4	9.3	8.1	20.9	33.7	34.8	31.4	23.2
80°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1604.8	1604.8	1604.8	1604.8	1604.8	1604.8	1604.8	1604.8	1604.8	1604.8	1604.8
2.5°	1626.9	1596.7	1577.0	1549.1	1529.4	1508.4	1489.9	1474.8	1466.6	1464.3	1465.5
5°	1664.1	1616.4	1570.0	1516.6	1479.4	1444.6	1416.7	1394.6	1384.2	1380.7	1380.7
7.5°	1721.0	1654.8	1572.3	1488.7	1426.0	1371.4	1338.9	1314.5	1305.2	1302.9	1295.9
10°	1795.3	1704.7	1568.8	1438.8	1350.5	1293.6	1270.4	1263.4	1266.9	1268.1	1266.9
12.5°	1884.7	1757.0	1546.8	1365.6	1270.4	1235.6	1237.9	1256.5	1277.4	1287.8	1290.1
15°	1979.9	1804.6	1496.8	1278.5	1201.9	1200.7	1234.4	1277.4	1318.0	1335.4	1340.1
17.5°	2086.7	1842.9	1420.2	1185.6	1142.7	1176.3	1236.7	1302.9	1357.5	1386.5	1392.3
20°	2204.0	1874.2	1322.7	1098.5	1090.4	1150.8	1234.4	1315.7	1383.0	1415.6	1421.4
22.5°	2326.0	1896.3	1210.0	1018.4	1042.8	1121.8	1212.3	1291.3	1355.2	1392.3	1397.0
25°	2465.3	1898.6	1095.0	951.1	998.7	1082.3	1158.9	1223.9	1277.4	1309.9	1313.4
27.5°	2587.2	1870.8	992.9	896.5	958.0	1033.5	1084.6	1120.6	1157.8	1176.3	1177.5
30°	2727.8	1822.0	896.5	852.3	916.2	973.1	998.7	1006.8	1010.3	1013.8	1009.1
32.5°	2895.0	1762.8	824.5	809.4	868.6	906.9	913.9	897.6	877.9	850.0	843.1
35°	3100.5	1709.3	765.3	767.6	816.4	839.6	833.8	798.9	760.6	726.9	721.1
37.5°	3323.5	1664.1	720.0	726.9	759.5	775.7	758.3	720.0	702.5	673.5	674.7
40°	3520.9	1626.9	679.3	686.3	701.4	716.5	688.6	663.1	695.6	693.3	695.6
42.5°	3661.4	1595.5	644.5	641.0	651.5	661.9	641.0	628.2	682.8	667.7	675.8
45°	3743.8	1566.5	615.5	594.6	610.8	629.4	615.5	599.2	617.8	548.1	542.3
47.5°	3799.6	1550.3	589.9	549.3	578.3	610.8	581.8	542.3	515.6	455.2	450.6
50°	3805.4	1542.1	559.7	502.8	540.0	574.8	541.1	486.6	448.2	421.5	418.0
52.5°	3835.6	1558.4	517.9	443.6	484.2	540.0	516.8	462.2	409.9	386.7	382.0
55°	3970.3	1626.9	448.2	362.3	421.5	513.3	497.0	412.2	362.3	348.4	344.9
57.5°	4109.6	1640.8	353.0	286.8	367.0	474.9	454.0	379.7	331.0	314.7	311.2
60°	3757.8	1351.7	264.8	236.9	324.0	438.9	420.4	360.0	303.1	283.3	279.9
62.5°	2468.8	730.4	210.2	200.9	272.9	371.6	383.2	325.1	270.6	249.7	248.5
65°	1138.0	339.1	161.4	159.1	213.7	296.1	329.8	284.5	228.8	210.2	210.2
67.5°	310.1	168.4	126.6	117.3	145.2	198.6	240.4	212.5	162.6	140.5	139.3
70°	154.4	135.9	113.8	101.0	104.5	123.1	141.7	118.4	82.4	67.4	66.2
72.5°	126.6	111.5	96.4	85.9	79.0	75.5	73.2	59.2	38.3	29.0	27.9
75°	94.1	80.1	68.5	55.7	47.6	44.1	39.5	29.0	16.3	9.3	8.1
77.5°	20.9	19.7	18.6	13.9	12.8	10.5	8.1	5.8	2.3	0.0	0.0
80°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)