

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: P635188

Luminaire Tested: GWS-SA3D-730-U-T2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635188  
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-SA3D-730-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) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

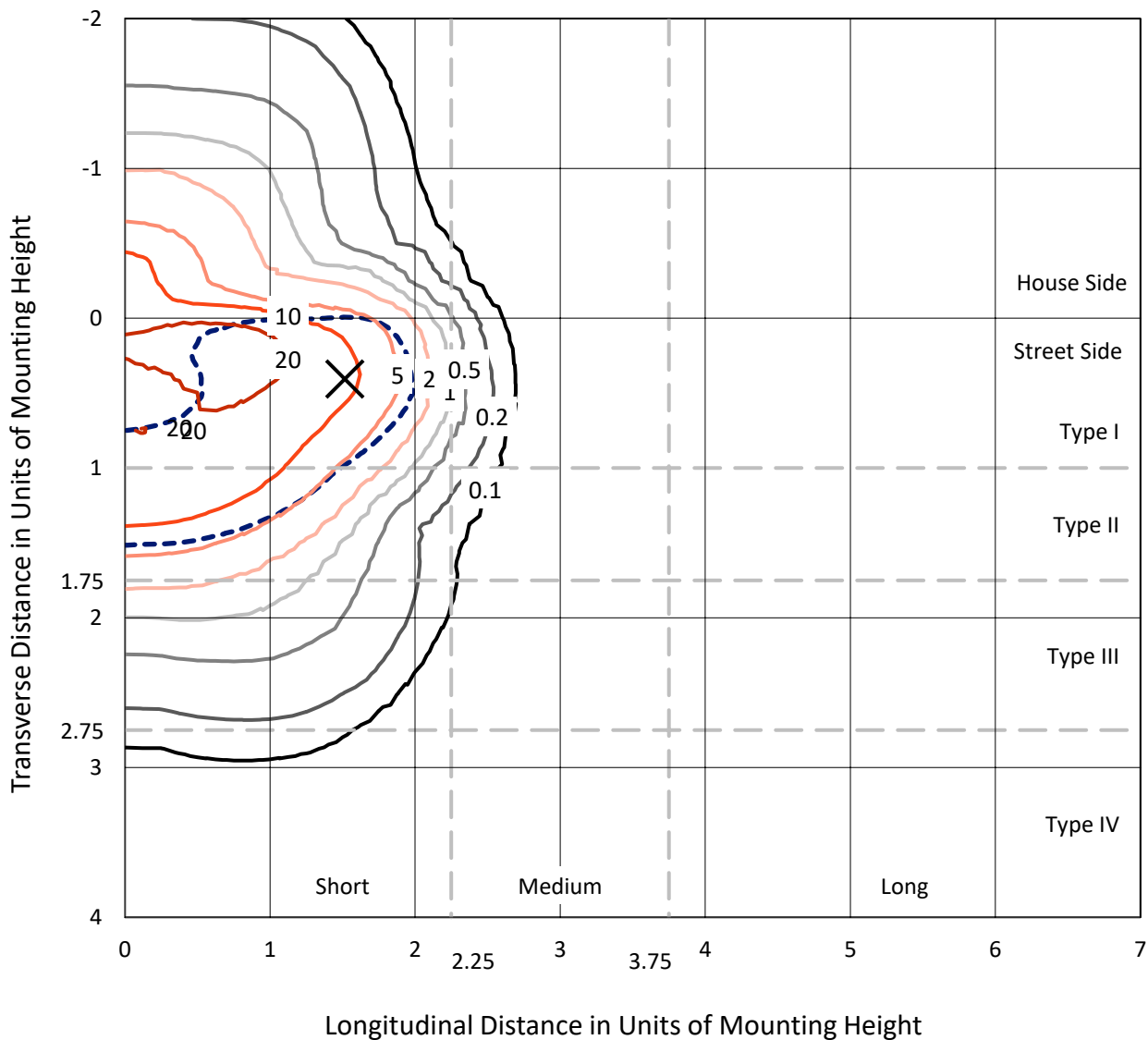
Lumens per Lamp: N/A  
Luminaire Lumens: 9518.9 lumens  
Efficiency: N/A  
Efficacy: 78.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

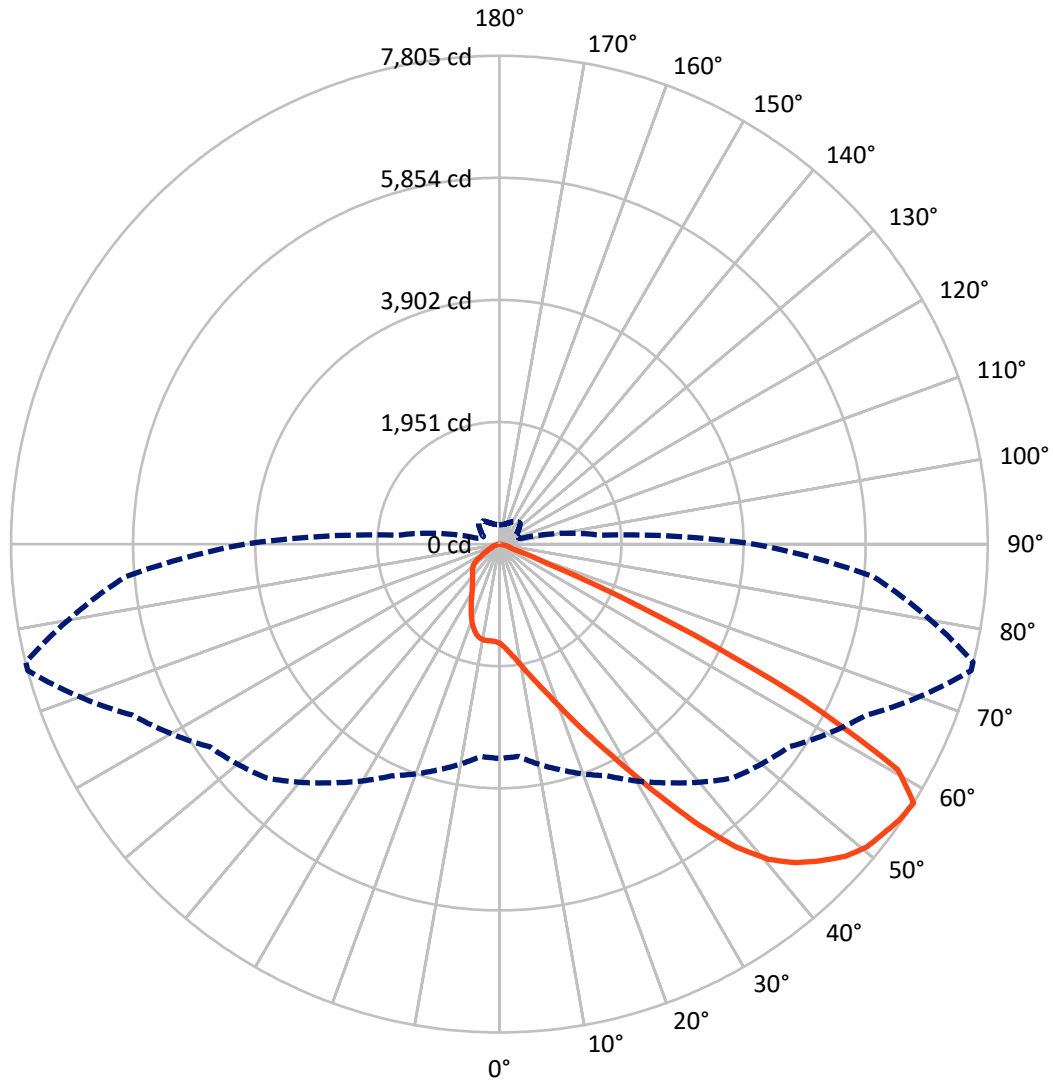
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 29.7 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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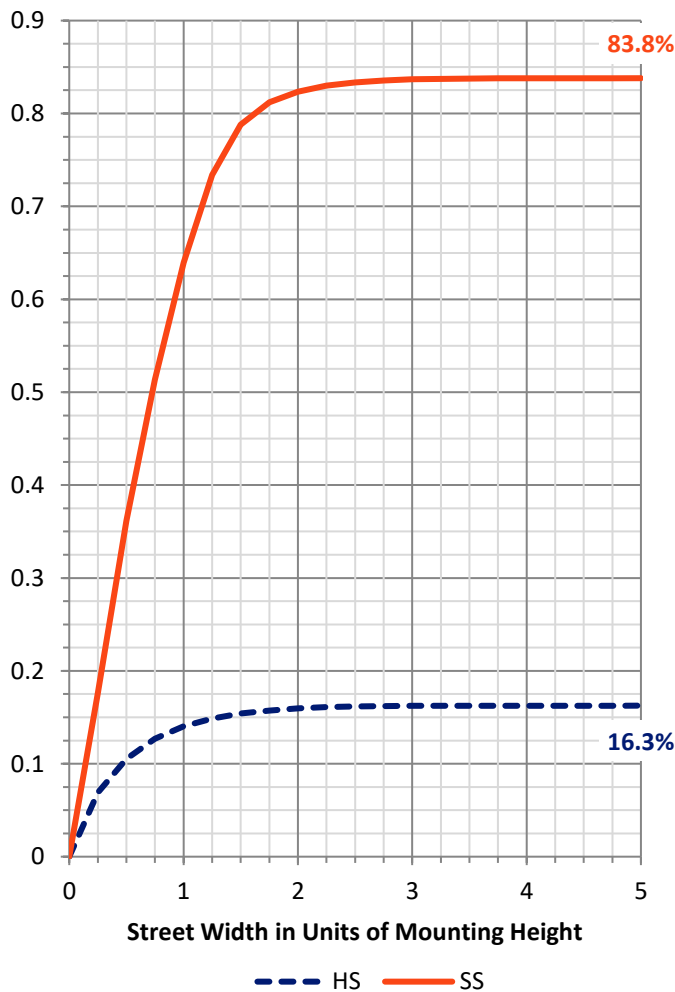
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1554.9	0.0	1554.9
	% Fixture	16.3	0.0	16.3
<b>Street Side</b>	Lumens	7964.0	0.0	7964.0
	% Fixture	83.7	0.0	83.7
<b>Total</b>	Lumens	9518.9	0.0	9518.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.6	1.7
10°-20°	524.8	5.5
20°-30°	961.0	10.1
30°-40°	1594.4	16.8
40°-50°	2435.1	25.6
50°-60°	2736.2	28.7
60°-70°	1009.2	10.6
70°-80°	96.5	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°	9518.9	100.0
0°-180°	9518.9	100.0

**Coefficient of Utilization**

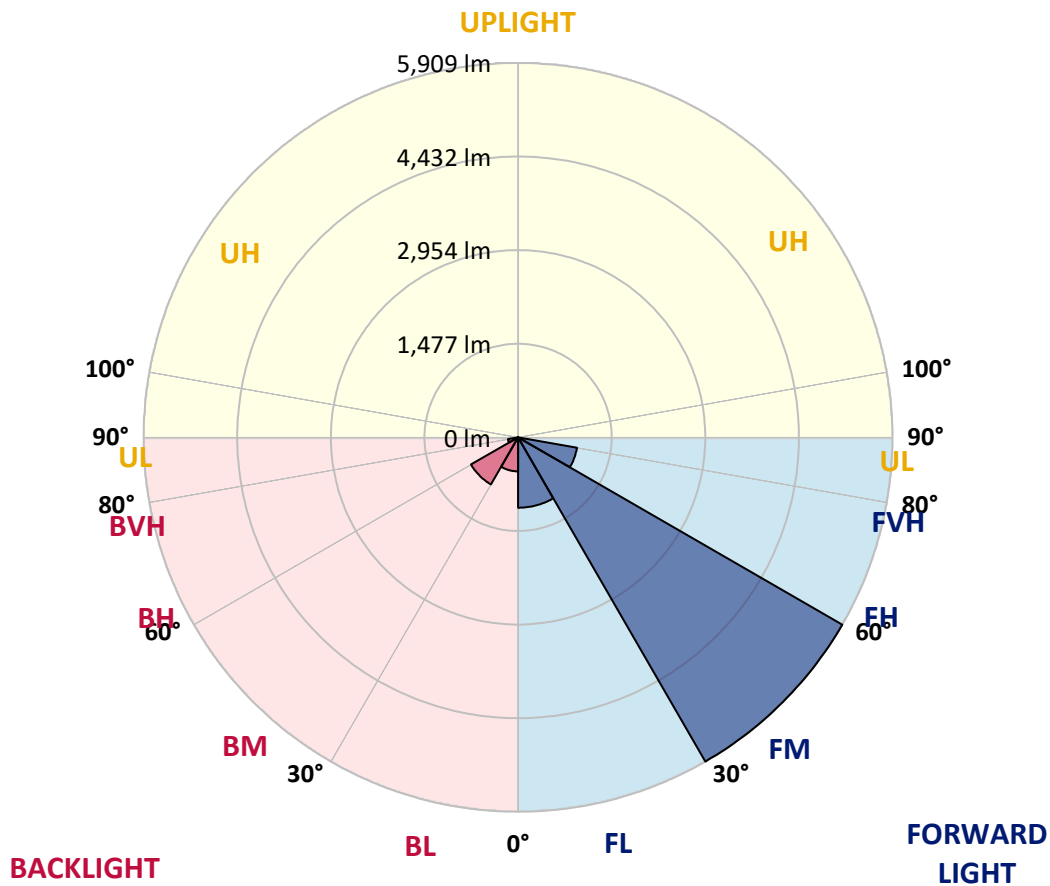


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1110.8	11.7			
FM (30°-60°)	5908.9	62.1			
FH (60°-80°)	944.2	9.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	536.5	5.6	B2/1000		
BM (30°-60°)	856.8	9.0	B1/1000		
BH (60°-80°)	161.5	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°	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6
2.5°	1773.7	1792.1	1786.4	1774.9	1768.0	1743.9	1728.9	1685.3	1654.2	1650.8	1622.1
5°	1997.7	1994.3	1989.7	1975.9	1964.4	1926.5	1881.7	1808.2	1742.7	1734.7	1673.8
7.5°	2120.7	2123.0	2125.3	2123.0	2114.9	2086.2	2036.8	1950.6	1850.7	1843.8	1747.3
10°	2171.2	2175.8	2187.3	2209.1	2228.6	2226.3	2197.6	2109.2	1986.2	1974.8	1844.9
12.5°	2195.3	2201.1	2219.5	2260.8	2313.7	2355.0	2359.6	2280.3	2144.8	2126.4	1961.0
15°	2228.6	2234.4	2257.4	2311.4	2388.3	2469.9	2522.7	2472.2	2320.5	2301.0	2088.5
17.5°	2243.6	2251.6	2284.9	2356.2	2456.1	2581.3	2700.8	2696.2	2528.5	2513.5	2236.7
20°	2272.3	2278.0	2307.9	2384.9	2505.5	2685.9	2886.9	2959.3	2782.4	2760.5	2415.9
22.5°	2363.0	2365.3	2379.1	2427.4	2540.0	2761.7	3076.4	3266.0	3082.2	3053.5	2616.9
25°	2511.2	2510.1	2515.8	2523.9	2606.6	2838.6	3259.1	3611.8	3425.7	3394.7	2844.4
27.5°	2699.6	2699.6	2713.4	2690.5	2723.8	2934.0	3439.5	4009.3	3825.5	3781.8	3093.7
30°	2921.4	2920.2	2952.4	2915.6	2926.0	3084.5	3633.6	4442.3	4307.9	4253.9	3380.9
32.5°	3222.3	3215.4	3252.2	3201.7	3167.2	3311.9	3870.3	4895.0	4885.8	4803.1	3741.6
35°	3602.6	3591.1	3602.6	3553.2	3491.2	3630.2	4180.4	5346.4	5526.8	5439.5	4171.2
37.5°	3980.5	4017.3	4029.9	3944.9	3894.4	4033.4	4553.8	5750.8	6139.1	6048.3	4618.1
40°	4426.3	4414.8	4458.4	4363.1	4330.9	4484.9	4919.1	6051.8	6623.9	6537.7	5015.6
42.5°	4754.8	4775.5	4829.5	4776.6	4751.4	4896.1	5225.8	6227.6	6960.5	6875.5	5299.3
45°	5148.9	5163.8	5184.5	5140.8	5114.4	5256.8	5447.5	6304.5	7216.7	7124.8	5490.0
47.5°	5575.1	5586.5	5586.5	5496.9	5411.9	5470.5	5595.7	6348.2	7452.2	7363.7	5631.3
50°	5880.6	5886.4	5936.9	5873.7	5688.8	5598.0	5663.5	6390.7	7608.4	7525.7	5677.3
52.5°	5609.5	5602.6	5769.2	5900.2	5949.6	5769.2	5780.7	6452.7	7684.2	7613.0	5714.1
55°	4723.8	4712.3	4946.7	5264.9	5700.3	5931.2	5922.0	6489.5	7768.1	7724.4	5847.3
57.5°	3424.5	3405.0	3731.3	4085.1	4656.0	5282.1	5649.7	6468.8	7804.8	7801.4	6002.4
60°	2058.6	2042.5	2350.4	2722.6	3163.8	3793.3	4403.3	5794.5	7313.2	7320.1	5599.2
62.5°	1267.1	1282.0	1560.0	1749.6	1913.9	2103.4	2456.1	3897.8	5417.7	5462.5	3934.6
65°	852.4	863.9	1121.2	1360.2	1360.2	1112.0	954.6	1863.3	2890.3	2814.5	1861.0
67.5°	572.1	584.7	788.1	1067.2	1107.4	775.4	387.1	556.0	805.3	781.2	460.7
70°	336.6	350.4	525.0	731.8	806.4	539.9	258.5	235.5	228.6	221.7	179.2
72.5°	150.5	156.2	267.7	372.2	340.0	227.5	182.7	188.4	178.1	174.6	145.9
75°	46.0	48.2	68.9	80.4	81.6	81.6	110.3	148.2	140.2	141.3	112.6
77.5°	11.5	11.5	18.4	17.2	9.2	8.0	20.7	33.3	34.5	31.0	23.0
80°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1
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°	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6	1587.6
2.5°	1609.4	1579.6	1560.0	1532.5	1512.9	1492.3	1473.9	1459.0	1450.9	1448.6	1449.8
5°	1646.2	1599.1	1553.2	1500.3	1463.6	1429.1	1401.5	1379.7	1369.4	1365.9	1365.9
7.5°	1702.5	1637.0	1555.5	1472.7	1410.7	1356.7	1324.5	1300.4	1291.2	1288.9	1282.0
10°	1776.0	1686.4	1552.0	1423.3	1336.0	1279.7	1256.8	1249.9	1253.3	1254.5	1253.3
12.5°	1864.5	1738.1	1530.2	1351.0	1256.8	1222.3	1224.6	1243.0	1263.7	1274.0	1276.3
15°	1958.7	1785.2	1480.8	1264.8	1189.0	1187.8	1221.2	1263.7	1303.9	1321.1	1325.7
17.5°	2064.4	1823.1	1405.0	1172.9	1130.4	1163.7	1223.5	1288.9	1342.9	1371.6	1377.4
20°	2180.4	1854.1	1308.5	1086.8	1078.7	1138.4	1221.2	1301.6	1368.2	1400.4	1406.1
22.5°	2301.0	1876.0	1197.0	1007.5	1031.6	1109.7	1199.3	1277.4	1340.6	1377.4	1382.0
25°	2438.9	1878.3	1083.3	940.9	988.0	1070.7	1146.5	1210.8	1263.7	1295.8	1299.3
27.5°	2559.5	1850.7	982.2	886.9	947.7	1022.4	1073.0	1108.6	1145.3	1163.7	1164.9
30°	2698.5	1802.4	886.9	843.2	906.4	962.7	988.0	996.0	999.4	1002.9	998.3
32.5°	2863.9	1743.9	815.6	800.7	859.3	897.2	904.1	888.0	868.5	840.9	834.0
35°	3067.3	1691.0	757.0	759.3	807.6	830.6	824.8	790.4	752.5	719.1	713.4
37.5°	3287.8	1646.2	712.2	719.1	751.3	767.4	750.2	712.2	695.0	666.3	667.4
40°	3483.1	1609.4	672.0	678.9	693.9	708.8	681.2	656.0	688.1	685.8	688.1
42.5°	3622.1	1578.4	637.6	634.1	644.5	654.8	634.1	621.5	675.5	660.6	668.6
45°	3703.7	1549.7	608.9	588.2	604.3	622.6	608.9	592.8	611.2	542.2	536.5
47.5°	3758.8	1533.6	583.6	543.4	572.1	604.3	575.5	536.5	510.1	450.3	445.7
50°	3764.6	1525.6	553.7	497.4	534.2	568.6	535.3	481.3	443.4	417.0	413.6
52.5°	3794.4	1541.7	512.4	438.8	479.0	534.2	511.2	457.2	405.5	382.5	378.0
55°	3927.7	1609.4	443.4	358.4	417.0	507.8	491.7	407.8	358.4	344.6	341.2
57.5°	4065.5	1623.2	349.2	283.7	363.0	469.9	449.2	375.7	327.4	311.3	307.9
60°	3717.5	1337.2	261.9	234.4	320.5	434.2	415.9	356.1	299.8	280.3	276.9
62.5°	2442.3	722.6	207.9	198.7	270.0	367.6	379.1	321.7	267.7	247.0	245.8
65°	1125.8	335.4	159.7	157.4	211.4	292.9	326.3	281.5	226.3	207.9	207.9
67.5°	306.7	166.6	125.2	116.0	143.6	196.4	237.8	210.2	160.8	139.0	137.9
70°	152.8	134.4	112.6	99.9	103.4	121.8	140.2	117.2	81.6	66.6	65.5
72.5°	125.2	110.3	95.3	85.0	78.1	74.7	72.4	58.6	37.9	28.7	27.6
75°	93.1	79.3	67.8	55.1	47.1	43.7	39.1	28.7	16.1	9.2	8.0
77.5°	20.7	19.5	18.4	13.8	12.6	10.3	8.0	5.7	2.3	0.0	0.0
80°	1.1	1.1	1.1	1.1	1.1	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)