

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: P632694

Luminaire Tested: GWS-SA2D-730-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632694  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2D-730-U-SL2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

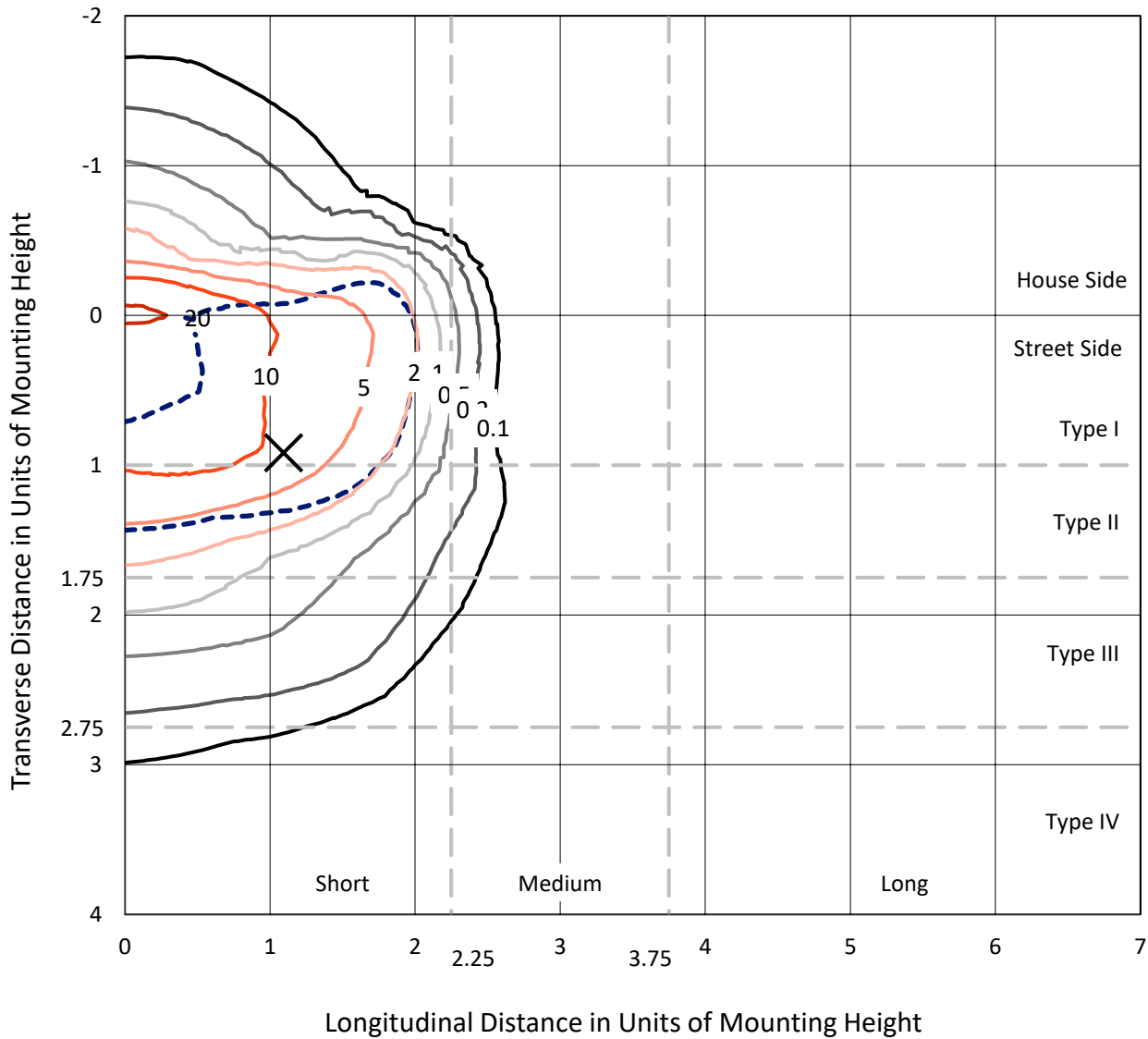
Lumens per Lamp: N/A  
Luminaire Lumens: 6243.3 lumens  
Efficiency: N/A  
Efficacy: 76.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

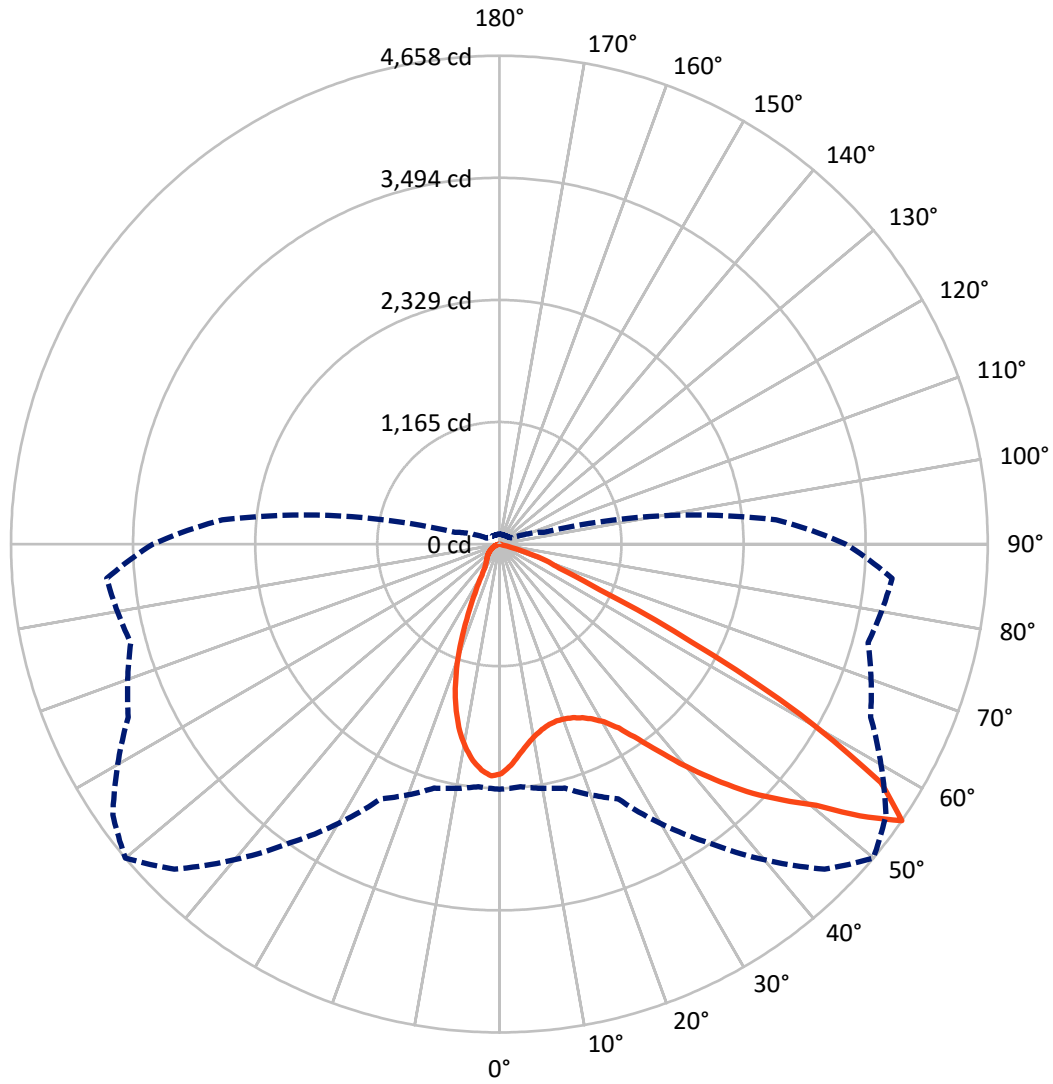
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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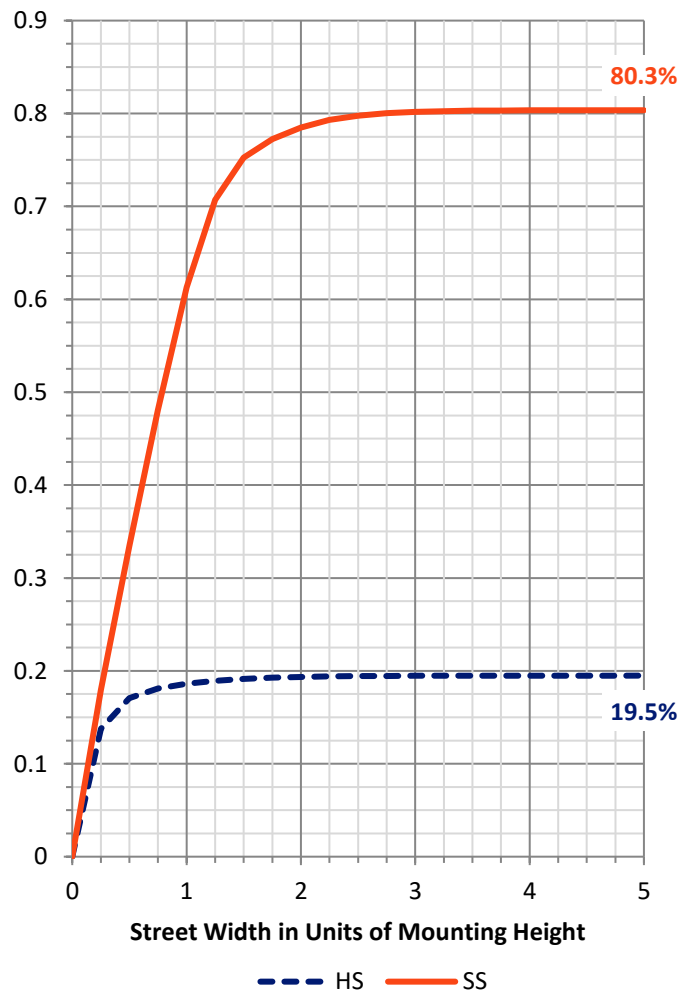
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1230.2	0.0	1230.2
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	5013.1	0.0	5013.1
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	6243.3	0.0	6243.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	192.4	3.1
10°-20°	473.4	7.6
20°-30°	667.7	10.7
30°-40°	988.1	15.8
40°-50°	1425.5	22.8
50°-60°	1681.5	26.9
60°-70°	750.1	12.0
70°-80°	64.5	1.0
80°-90°	0.0	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°	6243.3	100.0
0°-180°	6243.3	100.0

**Coefficient of Utilization**

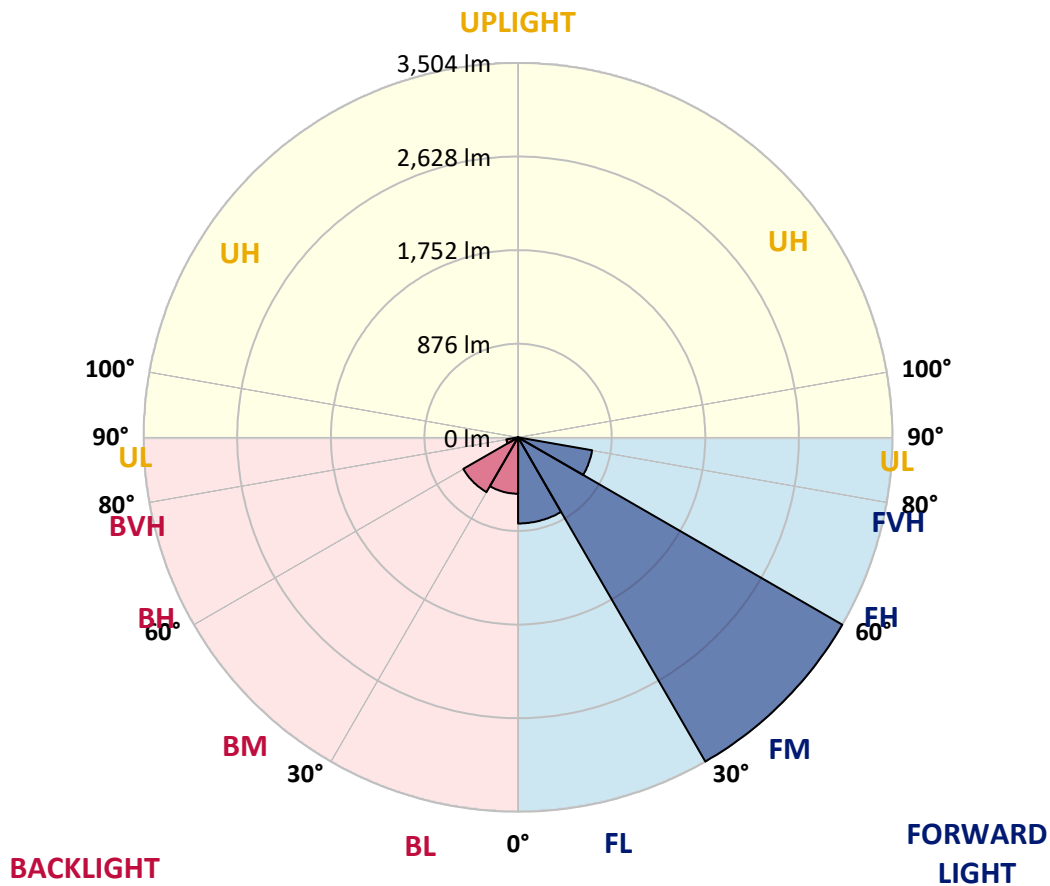


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	806.0	12.9			
FM (30°-60°)	3503.5	56.1			
FH (60°-80°)	703.5	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	527.5	8.4	B2/1000		
BM (30°-60°)	591.7	9.5	B1/1000		
BH (60°-80°)	111.1	1.8	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°	50°	55°	65°	75°	85°
0°	2190.5	2190.5	2190.5	2190.5	2190.5	2190.5	2190.5	2190.5	2190.5	2190.5	2190.5
2.5°	2035.0	2036.5	2037.3	2057.9	2065.5	2096.0	2112.0	2120.4	2142.5	2168.4	2189.7
5°	1898.6	1896.3	1900.1	1926.0	1942.8	1987.8	2012.1	2028.9	2077.7	2138.7	2189.7
7.5°	1779.7	1784.3	1788.8	1817.0	1842.2	1891.0	1926.0	1951.2	2019.0	2109.7	2195.8
10°	1695.8	1695.8	1702.7	1734.7	1764.4	1824.7	1859.7	1891.7	1972.5	2083.8	2202.7
12.5°	1634.1	1634.9	1643.3	1679.8	1714.1	1776.6	1813.2	1844.5	1933.6	2057.9	2204.2
15°	1605.1	1602.9	1609.7	1648.6	1686.7	1745.4	1783.5	1814.0	1906.2	2043.4	2211.8
17.5°	1597.5	1596.0	1601.3	1639.4	1678.3	1735.5	1772.8	1803.3	1902.4	2048.0	2234.7
20°	1619.6	1616.6	1614.3	1647.1	1683.6	1740.1	1778.9	1813.2	1920.7	2073.1	2269.8
22.5°	1672.2	1672.2	1666.9	1682.9	1707.3	1758.3	1798.7	1843.7	1968.7	2123.4	2321.6
25°	1769.0	1761.4	1751.5	1758.3	1755.3	1787.3	1835.3	1897.8	2059.4	2206.5	2384.9
27.5°	1879.5	1886.4	1869.6	1870.4	1843.7	1832.3	1887.9	1982.4	2194.3	2323.9	2478.6
30°	2029.7	2024.3	2025.1	2022.8	1961.1	1907.0	1967.2	2092.9	2364.3	2503.0	2600.5
32.5°	2147.1	2154.7	2179.8	2194.3	2113.5	2026.6	2090.7	2243.1	2557.9	2707.3	2749.9
35°	2271.3	2285.0	2336.1	2383.3	2315.5	2215.6	2284.2	2442.0	2740.0	2909.2	2921.4
37.5°	2402.4	2429.8	2490.8	2573.9	2563.2	2474.8	2537.3	2676.0	2883.3	3031.2	3063.2
40°	2552.5	2579.2	2679.1	2798.7	2823.9	2804.0	2824.6	2905.4	2977.8	3036.5	3124.2
42.5°	2717.2	2753.7	2880.3	3040.3	3134.8	3152.4	3104.3	3096.0	3019.0	2975.5	3111.2
45°	2911.5	2954.2	3097.5	3304.8	3454.9	3478.6	3395.5	3288.0	3044.9	2930.6	3072.3
47.5°	3129.5	3169.9	3312.4	3561.7	3785.0	3794.1	3649.3	3476.3	3121.9	2982.4	3102.1
50°	3202.7	3227.8	3351.3	3644.0	4055.5	4125.7	3916.1	3688.2	3276.6	3134.8	3246.9
52.5°	2951.1	2961.1	3068.5	3364.2	4000.7	4451.1	4305.5	4004.5	3551.7	3367.3	3470.2
55°	2338.4	2322.4	2409.2	2680.6	3477.1	4384.8	4658.4	4501.4	3906.2	3640.2	3760.6
57.5°	1635.6	1616.6	1596.8	1780.4	2594.5	3717.1	4292.6	4570.8	4243.8	3910.7	4073.8
60°	1344.5	1326.2	1230.2	1145.6	1568.6	2669.1	3297.2	3820.8	4216.4	3897.0	4063.9
62.5°	1161.6	1150.9	1112.0	996.9	923.0	1523.6	2064.7	2566.3	3235.4	3060.1	3069.3
65°	912.3	909.3	936.0	948.1	816.3	843.0	1053.3	1333.8	1749.2	1649.4	1564.0
67.5°	623.5	616.6	666.9	820.1	785.0	665.4	616.6	621.9	756.8	462.6	367.4
70°	396.3	380.3	381.1	508.4	638.7	525.1	475.6	418.4	376.5	68.6	77.7
72.5°	253.8	243.9	209.6	229.4	295.7	256.1	258.4	222.6	148.6	36.6	42.7
75°	106.7	98.3	75.5	60.2	59.4	37.3	32.8	30.5	20.6	20.6	22.1
77.5°	0.8	0.0	0.0	0.8	1.5	0.8	0.8	1.5	3.0	4.6	5.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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



REPORT NUMBER: P632694

CATALOG NUMBER: GWS-SA2D-730-U-SL2-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2190.5	2190.5	2190.5	2190.5	2190.5	2190.5	2190.5	2190.5	2190.5	2190.5	2190.5
2.5°	2202.7	2184.4	2205.0	2212.6	2211.8	2212.6	2190.5	2175.3	2174.5	2155.4	2146.3
5°	2211.1	2196.6	2211.8	2201.9	2178.3	2148.6	2108.9	2074.6	2059.4	2037.3	2026.6
7.5°	2227.1	2211.8	2209.6	2169.9	2111.2	2048.7	1978.6	1916.1	1882.6	1842.2	1844.5
10°	2238.5	2221.0	2191.3	2110.5	2012.9	1913.1	1808.6	1715.7	1657.0	1602.9	1593.7
12.5°	2243.1	2217.2	2147.8	2025.9	1888.7	1758.3	1605.1	1472.5	1381.1	1310.2	1300.3
15°	2251.5	2209.6	2092.2	1923.7	1735.5	1551.0	1355.9	1174.5	1053.3	971.8	978.6
17.5°	2264.4	2201.2	2029.7	1809.4	1570.8	1310.2	1046.5	838.4	727.1	679.9	680.6
20°	2282.7	2191.3	1961.1	1683.6	1373.4	1038.1	731.7	574.7	543.4	541.9	539.6
22.5°	2307.1	2181.4	1887.9	1545.7	1139.5	727.1	487.0	438.3	451.2	476.4	480.9
25°	2336.1	2169.2	1806.4	1390.2	884.1	477.1	365.1	357.5	388.7	422.2	429.9
27.5°	2381.0	2163.1	1713.4	1213.4	620.4	342.2	298.8	303.3	331.5	359.7	366.6
30°	2457.3	2174.5	1612.0	1015.2	398.6	272.9	259.1	266.0	281.2	295.7	301.8
32.5°	2560.9	2208.0	1513.7	798.8	284.3	237.0	234.0	237.8	243.9	252.3	254.6
35°	2682.1	2266.0	1412.3	571.6	234.8	216.5	213.4	213.4	216.5	218.0	218.7
37.5°	2781.9	2326.9	1317.0	380.3	210.4	200.5	195.9	193.6	192.8	194.4	195.1
40°	2825.4	2352.1	1213.4	276.7	192.8	186.0	179.1	172.3	172.3	177.6	178.3
42.5°	2794.9	2323.9	1093.7	228.7	180.6	170.7	160.1	154.0	157.0	162.3	163.9
45°	2730.1	2254.5	961.9	202.0	168.4	155.5	143.3	139.5	142.5	149.4	150.9
47.5°	2719.4	2208.8	804.1	184.4	155.5	142.5	129.6	125.8	129.6	134.9	136.4
50°	2825.4	2248.4	628.8	169.2	143.3	128.8	118.1	114.3	116.6	119.7	121.2
52.5°	3019.0	2395.5	507.6	154.7	128.8	115.1	108.2	103.7	103.7	106.7	107.5
55°	3304.8	2652.4	438.3	138.0	112.0	104.4	98.3	93.7	93.7	95.3	96.0
57.5°	3634.1	2963.3	454.3	115.9	98.3	94.5	89.2	85.4	86.9	86.9	86.9
60°	3588.3	2940.5	486.3	97.6	86.9	85.4	80.8	79.3	83.1	80.0	78.5
62.5°	2643.2	2031.2	254.6	80.0	74.7	73.2	70.1	73.2	78.5	70.1	67.1
65°	1283.5	983.2	102.1	65.5	63.3	61.7	60.2	64.8	67.8	54.9	51.8
67.5°	301.8	245.4	66.3	55.6	52.6	49.5	51.1	51.8	49.5	37.3	35.8
70°	78.5	77.0	51.8	46.5	41.9	38.9	38.9	38.1	32.8	23.6	22.1
72.5°	42.7	41.9	37.3	35.1	29.0	25.9	26.7	23.6	18.3	13.7	13.0
75°	21.3	22.9	21.3	19.8	16.0	14.5	14.5	13.0	9.1	5.3	5.3
77.5°	4.6	5.3	5.3	4.6	3.8	3.0	3.0	3.8	1.5	0.0	0.0
80°	0.8	0.8	0.8	0.8	0.8	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)