

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: P635061

Luminaire Tested: GWS-SA3D-722-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635061  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-722-U-SL2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

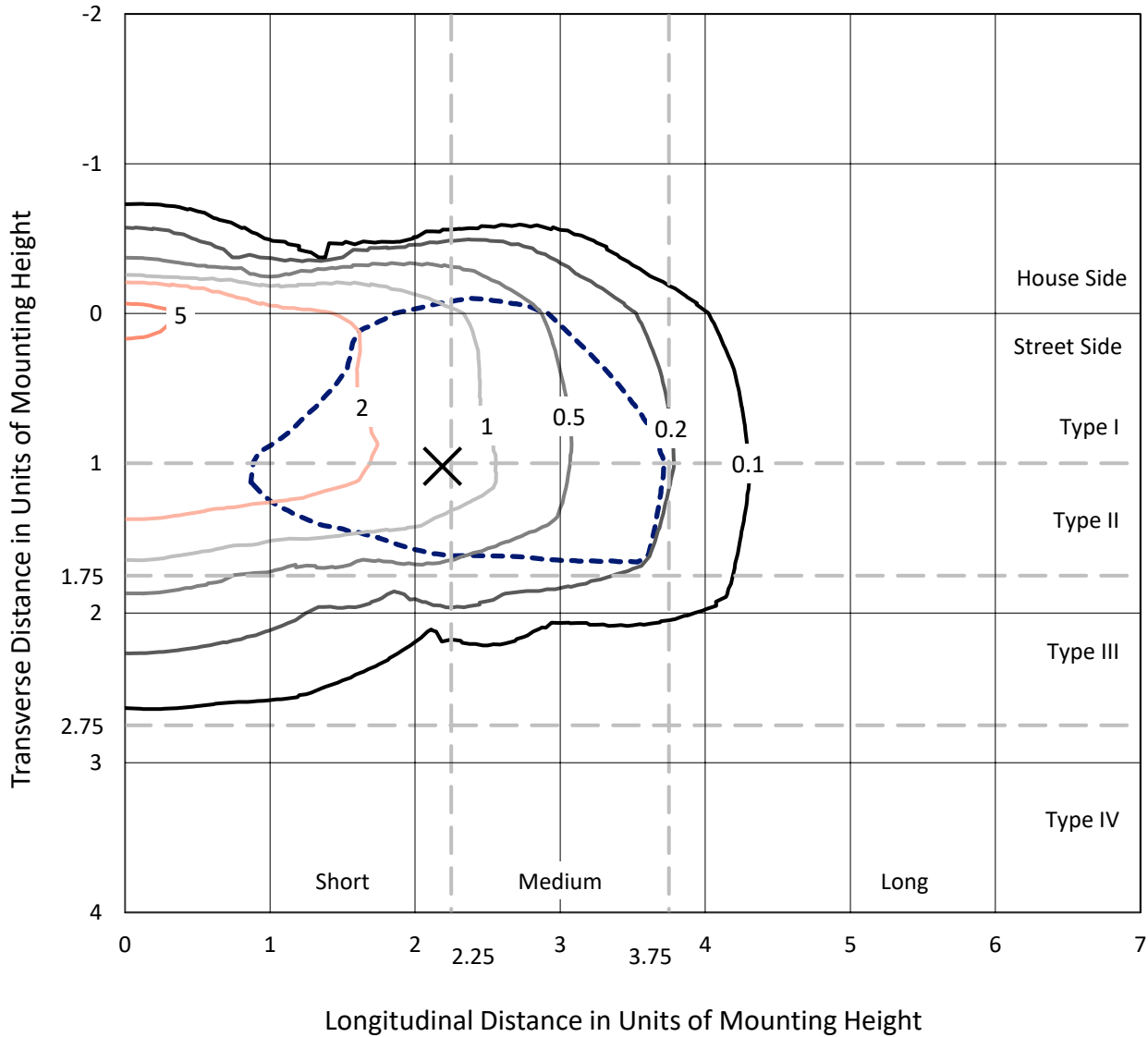
Lumens per Lamp: N/A  
Luminaire Lumens: 10275.8 lumens  
Efficiency: N/A  
Efficacy: 85.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

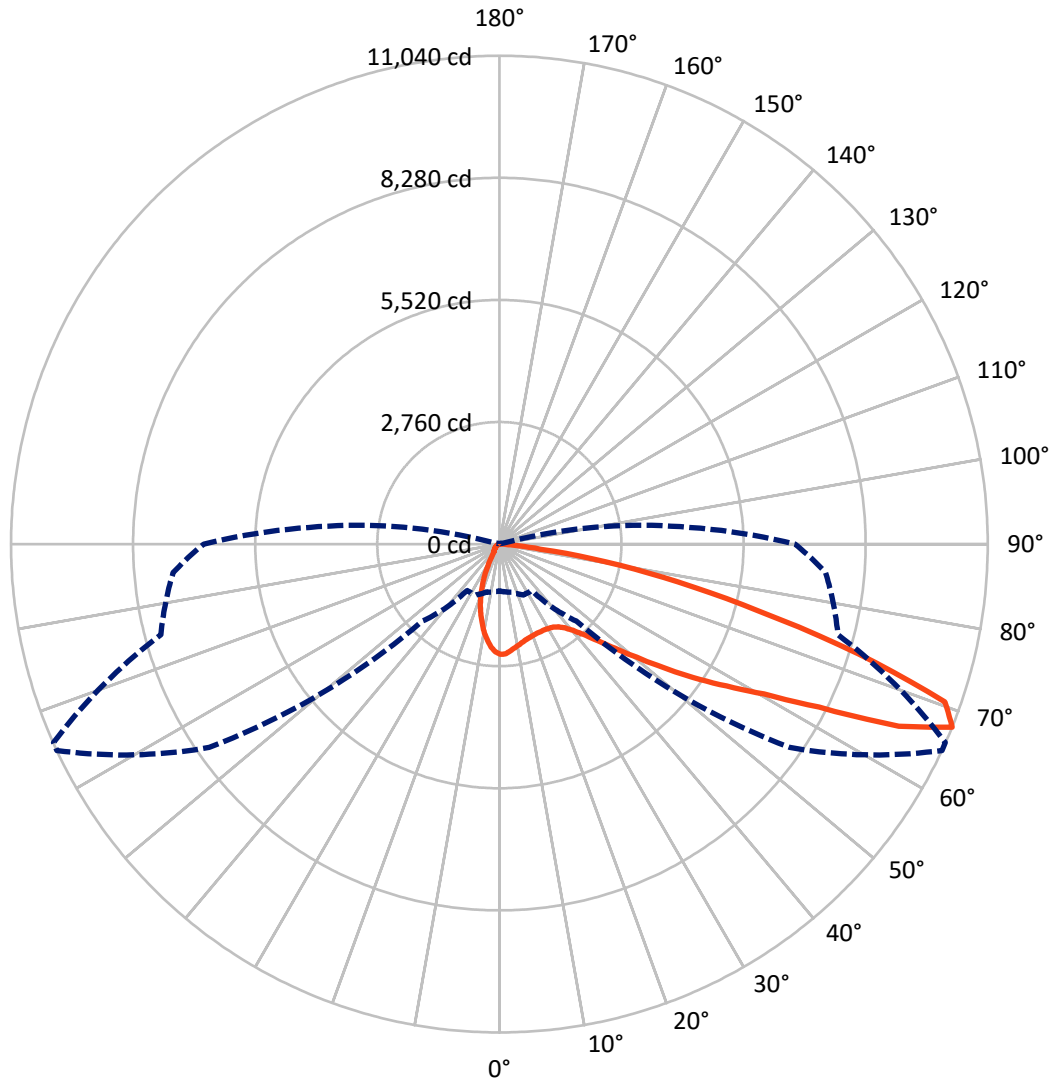
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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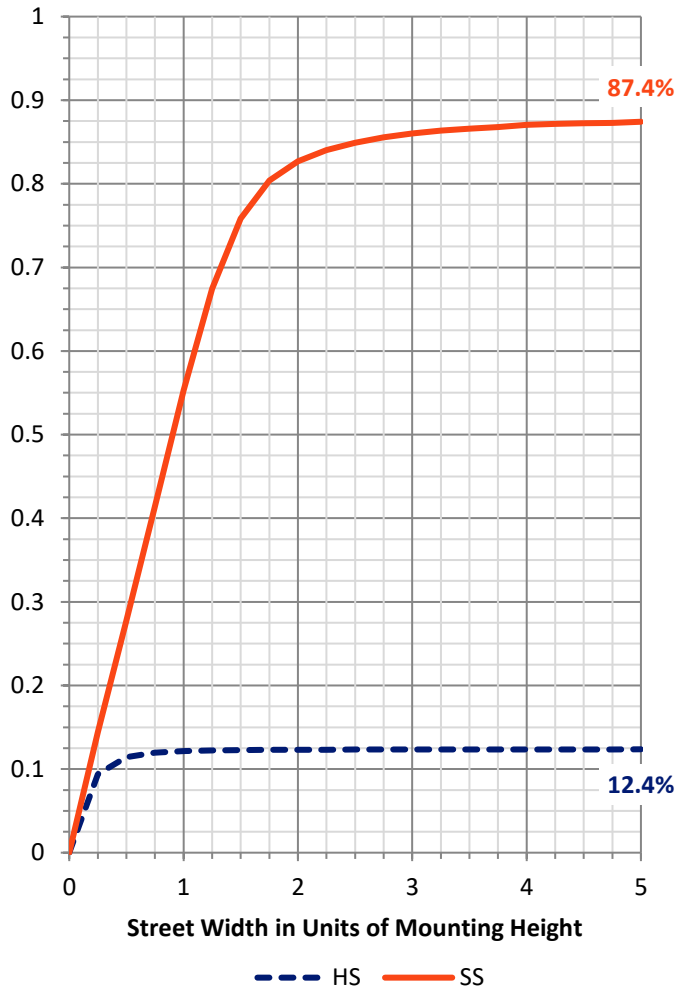
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1283.1	0.0	1283.1
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	8992.7	0.0	8992.7
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	10275.8	0.0	10275.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	207.0	2.0
10°-20°	465.3	4.5
20°-30°	664.9	6.5
30°-40°	967.3	9.4
40°-50°	1515.0	14.7
50°-60°	2363.5	23.0
60°-70°	2596.1	25.3
70°-80°	1381.7	13.4
80°-90°	115.0	1.1
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°	10275.8	100.0
0°-180°	10275.8	100.0

**Coefficient of Utilization**



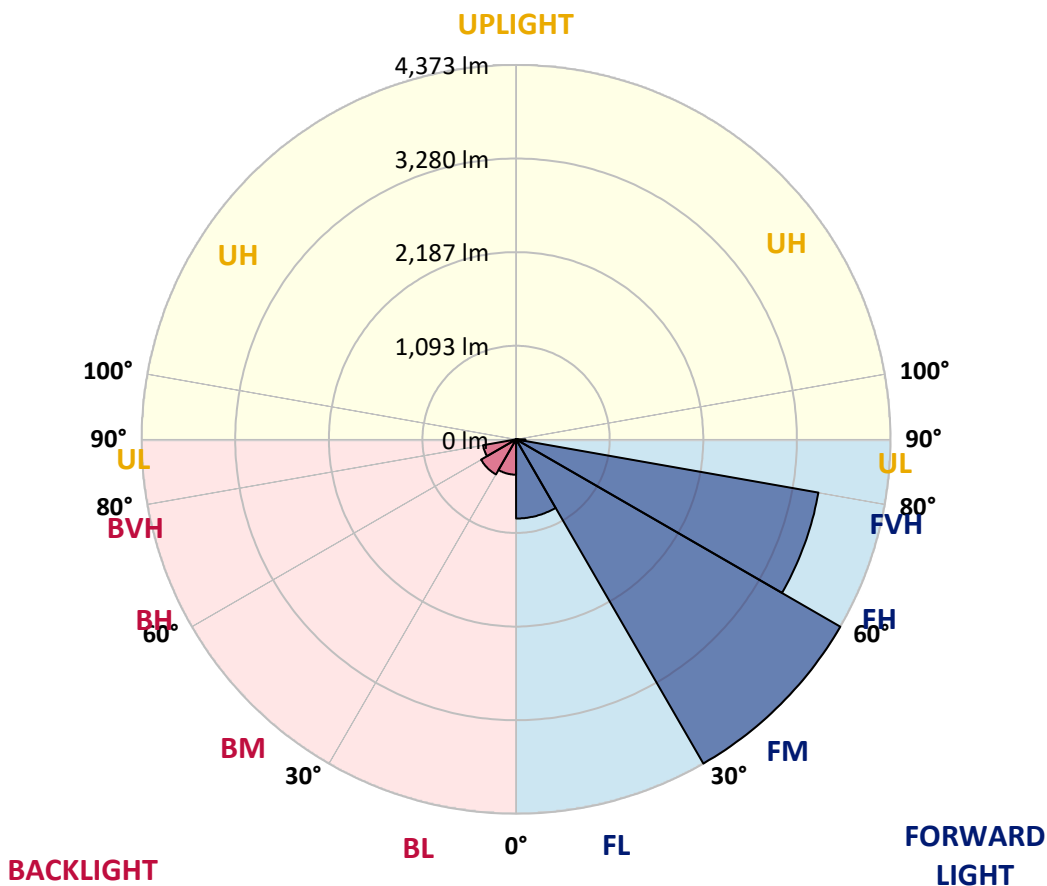
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	924.8	9.0			
FM (30°-60°)	4373.2	42.6			
FH (60°-80°)	3585.9	34.9			G2/5000
FVH (80°-90°)	108.9	1.1			G2/225
BL (0°-30°)	412.4	4.0	B1/500		
BM (30°-60°)	472.6	4.6	B1/1000		
BH (60°-80°)	391.9	3.8	B1/500		G1/500
BVH (80°-90°)	6.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2492.2	2492.2	2492.2	2492.2	2492.2	2492.2	2492.2	2492.2	2492.2	2492.2	2492.2
2.5°	2405.8	2413.2	2403.0	2428.1	2432.7	2460.6	2476.4	2487.6	2486.6	2500.6	2500.6
5°	2264.5	2272.0	2266.4	2293.3	2314.7	2358.4	2394.6	2436.5	2438.3	2481.1	2496.9
7.5°	2144.7	2145.6	2145.6	2179.1	2206.9	2260.8	2314.7	2378.8	2386.3	2452.2	2494.1
10°	2046.2	2049.0	2049.9	2088.0	2118.7	2183.7	2252.5	2329.6	2338.0	2427.2	2492.2
12.5°	1978.3	1979.3	1983.0	2022.9	2056.4	2124.2	2193.9	2282.2	2293.3	2398.4	2483.8
15°	1945.8	1944.0	1945.8	1979.3	2012.7	2077.8	2149.3	2244.1	2256.2	2374.2	2484.8
17.5°	1944.0	1941.2	1939.3	1964.4	1985.8	2043.4	2115.9	2219.0	2232.0	2363.0	2495.0
20°	1970.9	1969.0	1959.8	1970.9	1975.6	2022.9	2094.5	2199.5	2212.5	2361.2	2517.3
22.5°	2041.5	2036.9	2022.9	2012.7	1987.6	2015.5	2079.6	2185.6	2200.4	2365.8	2546.1
25°	2146.5	2144.7	2127.0	2101.9	2037.8	2026.7	2080.6	2185.6	2199.5	2371.4	2576.8
27.5°	2304.5	2293.3	2271.0	2227.4	2135.4	2070.3	2099.1	2191.1	2205.1	2378.8	2601.9
30°	2465.3	2464.3	2456.9	2412.3	2275.7	2154.0	2138.2	2206.0	2219.0	2385.3	2625.1
32.5°	2631.6	2634.4	2653.0	2618.6	2469.0	2278.5	2208.8	2236.7	2246.0	2398.4	2645.5
35°	2789.6	2795.1	2844.4	2856.5	2704.1	2467.1	2324.0	2298.0	2298.9	2427.2	2672.5
37.5°	2941.0	2959.6	3038.6	3097.1	2996.8	2695.7	2490.3	2402.1	2394.6	2484.8	2713.4
40°	3112.9	3148.2	3247.7	3347.1	3315.5	2997.7	2717.1	2561.9	2546.1	2590.7	2786.8
42.5°	3303.4	3341.5	3473.5	3612.9	3627.7	3362.9	3000.5	2795.1	2768.2	2769.1	2924.3
45°	3507.9	3559.0	3712.3	3913.0	4003.1	3769.9	3349.9	3110.1	3083.2	3043.2	3145.5
47.5°	3776.4	3821.0	3968.8	4200.1	4373.0	4206.6	3808.0	3515.3	3466.0	3407.5	3489.3
50°	4007.8	4046.8	4174.1	4464.0	4823.7	4769.8	4327.4	4021.7	3974.3	3874.9	3942.7
52.5°	4058.9	4089.6	4206.6	4532.8	5168.4	5480.6	4964.0	4634.1	4600.6	4416.6	4442.7
55°	3829.4	3875.8	3980.8	4343.2	5258.5	6175.7	5790.1	5324.5	5254.8	4961.2	5007.6
57.5°	3249.5	3332.2	3430.7	3901.9	5014.1	6545.5	6944.2	6055.8	5992.6	5485.3	5486.2
60°	2381.6	2448.5	2514.5	2945.7	4434.3	6520.4	7991.4	6877.3	6762.0	5913.6	5897.8
62.5°	1732.1	1766.5	1765.5	1918.9	3045.1	6091.1	8541.5	8115.0	7846.5	6371.8	6281.6
65°	1362.3	1361.3	1401.3	1451.5	1700.5	4701.9	8609.4	9922.4	9632.4	6986.0	6798.3
67.5°	1060.3	1080.7	1120.7	1268.4	1277.7	2460.6	8012.8	11040.2	11034.7	7923.6	7403.2
70°	817.7	845.6	902.3	1117.9	1180.1	1377.1	5995.4	10686.2	10776.3	8342.7	6974.8
72.5°	525.0	523.2	606.8	903.2	1133.7	1147.6	3315.5	8488.6	8590.8	7556.5	5639.5
75°	293.6	295.5	342.9	552.9	1056.5	1079.8	1642.0	6053.0	6133.9	5891.3	4333.0
77.5°	115.2	118.9	160.8	290.9	696.9	964.5	975.7	4127.7	4139.7	3651.0	2657.6
80°	46.5	49.2	81.8	180.3	424.7	649.5	696.9	2431.8	2382.6	1413.4	773.1
82.5°	13.9	14.9	32.5	102.2	222.1	461.8	470.2	933.0	880.9	303.9	197.0
85°	0.9	0.9	7.4	31.6	79.0	116.2	313.2	303.9	269.5	76.2	87.3
87.5°	0.0	0.0	0.9	0.9	1.9	3.7	33.5	55.8	56.7	13.9	39.0
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°	2492.2	2492.2	2492.2	2492.2	2492.2	2492.2	2492.2	2492.2	2492.2	2492.2	2492.2
2.5°	2500.6	2467.1	2464.3	2438.3	2412.3	2379.8	2341.7	2313.8	2294.3	2259.9	2253.4
5°	2496.9	2452.2	2410.4	2336.1	2253.4	2164.2	2086.1	2013.6	1968.1	1937.5	1924.4
7.5°	2489.4	2432.7	2336.1	2195.8	2057.3	1901.2	1779.5	1668.0	1591.8	1547.2	1527.7
10°	2483.8	2407.6	2250.6	2037.8	1823.2	1607.6	1422.7	1257.3	1165.3	1092.8	1080.7
12.5°	2472.7	2371.4	2141.0	1852.9	1576.0	1289.8	1053.8	851.2	710.9	647.7	625.4
15°	2461.5	2333.3	2031.3	1657.8	1306.5	953.4	667.2	472.1	375.4	345.7	343.8
17.5°	2459.7	2298.9	1912.4	1472.8	1024.0	624.4	380.1	305.7	285.3	277.8	277.8
20°	2465.3	2270.1	1795.3	1260.0	746.2	380.1	283.4	264.8	252.8	246.2	246.2
22.5°	2470.8	2240.4	1682.8	1045.4	495.3	277.8	250.0	234.2	220.2	212.8	209.1
25°	2474.5	2207.9	1558.3	829.8	323.4	241.6	219.3	198.9	182.1	172.8	172.8
27.5°	2473.6	2168.8	1432.9	618.9	250.9	214.7	187.7	166.3	149.6	139.4	140.3
30°	2466.2	2126.1	1302.8	432.1	219.3	187.7	160.8	138.5	121.7	113.4	112.4
32.5°	2460.6	2080.6	1152.2	303.9	197.0	164.5	136.6	115.2	101.3	94.8	93.9
35°	2454.1	2036.0	1009.1	231.4	177.5	142.2	115.2	97.6	86.4	80.8	80.8
37.5°	2456.0	1989.5	854.0	198.9	158.0	123.6	98.5	83.6	74.3	68.8	67.8
40°	2484.8	1961.6	701.6	180.3	140.3	106.9	85.5	72.5	63.2	57.6	56.7
42.5°	2556.3	1962.5	555.7	166.3	124.5	91.1	74.3	62.3	53.9	47.4	46.5
45°	2699.4	2001.6	426.5	151.5	107.8	79.0	64.1	53.0	44.6	39.0	38.1
47.5°	2933.6	2117.7	323.4	138.5	93.9	68.8	54.8	44.6	37.2	32.5	31.6
50°	3306.2	2327.7	254.6	122.7	79.0	59.5	46.5	37.2	30.7	26.0	25.1
52.5°	3754.1	2642.7	218.4	108.7	67.8	52.0	40.0	30.7	25.1	21.4	20.4
55°	4268.9	3019.1	201.6	94.8	57.6	44.6	32.5	25.1	20.4	17.7	15.8
57.5°	4741.0	3358.3	200.7	80.8	49.2	38.1	26.9	21.4	17.7	13.9	13.0
60°	5200.9	3641.7	188.6	66.9	42.7	31.6	23.2	17.7	14.9	12.1	11.2
62.5°	5618.1	3872.1	158.0	53.9	36.2	26.0	19.5	15.8	13.0	10.2	10.2
65°	6142.2	4165.8	120.8	43.7	29.7	21.4	16.7	13.9	12.1	9.3	9.3
67.5°	6684.0	4320.9	86.4	36.2	24.2	18.6	14.9	13.0	10.2	8.4	8.4
70°	6054.0	3651.0	62.3	29.7	20.4	15.8	13.0	12.1	10.2	8.4	7.4
72.5°	4727.9	2632.5	46.5	23.2	17.7	14.9	12.1	11.2	9.3	7.4	7.4
75°	3506.0	1535.1	35.3	18.6	13.9	12.1	12.1	11.2	9.3	7.4	6.5
77.5°	1905.9	535.2	26.9	14.9	11.2	9.3	10.2	10.2	8.4	6.5	5.6
80°	504.6	146.8	18.6	11.2	9.3	7.4	7.4	9.3	7.4	5.6	5.6
82.5°	146.8	42.7	13.0	9.3	7.4	6.5	6.5	6.5	5.6	4.6	3.7
85°	71.6	15.8	9.3	7.4	6.5	5.6	4.6	4.6	3.7	2.8	2.8
87.5°	31.6	6.5	7.4	6.5	6.5	4.6	3.7	2.8	2.8	1.9	0.9
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)