

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: P634786

Luminaire Tested: GWS-SA3C-740-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634786  
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-SA3C-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

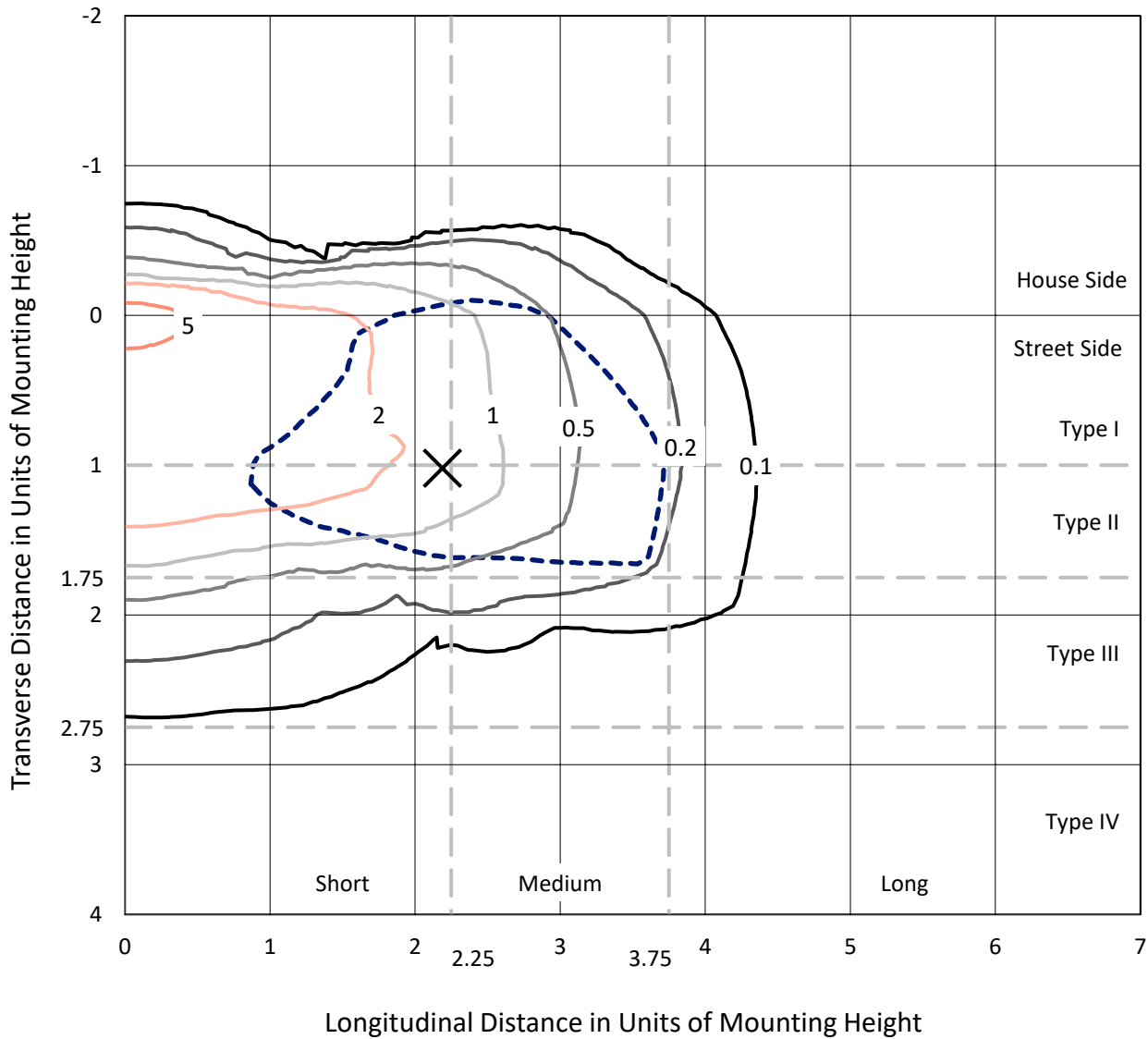
Lumens per Lamp: N/A  
Luminaire Lumens: 11058 lumens  
Efficiency: N/A  
Efficacy: 118.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

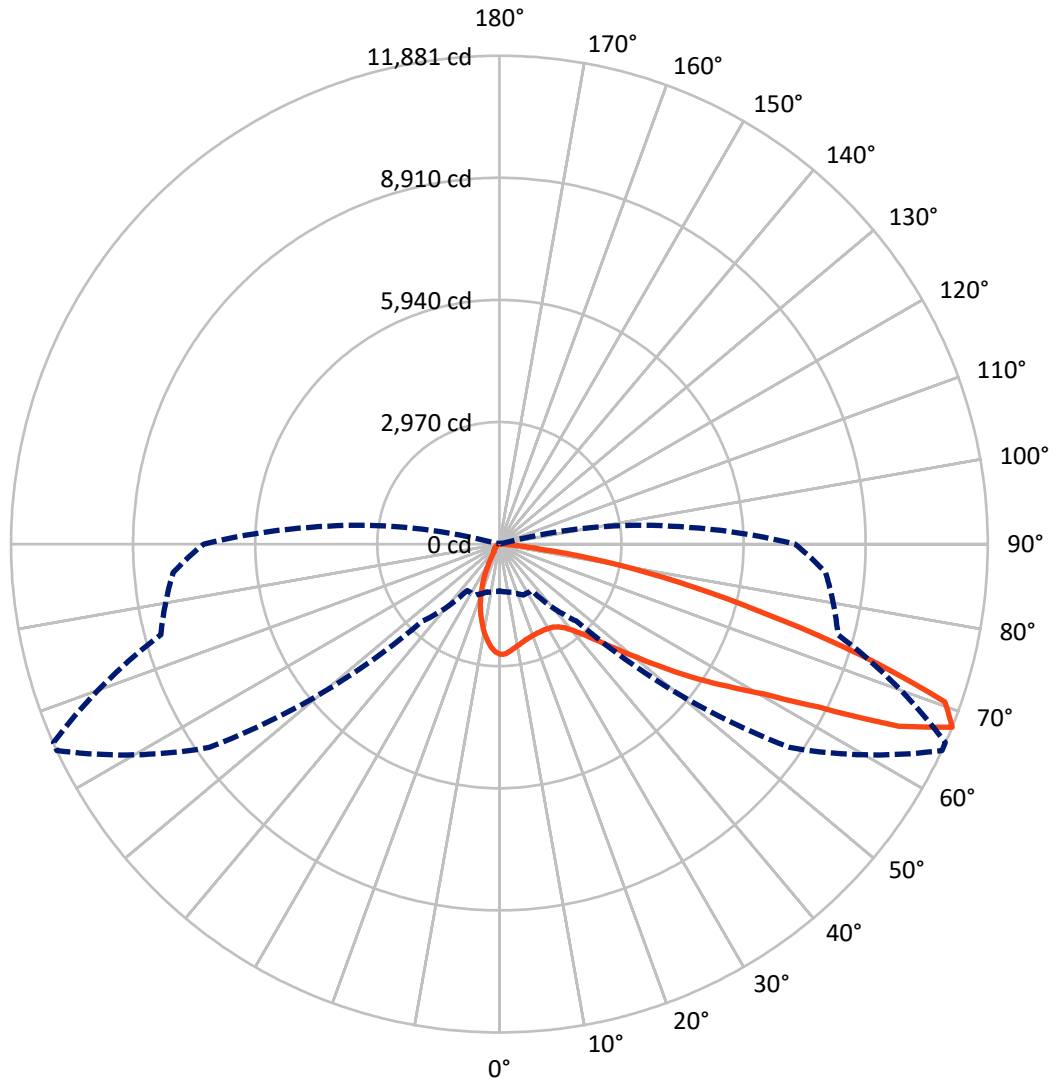
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.7 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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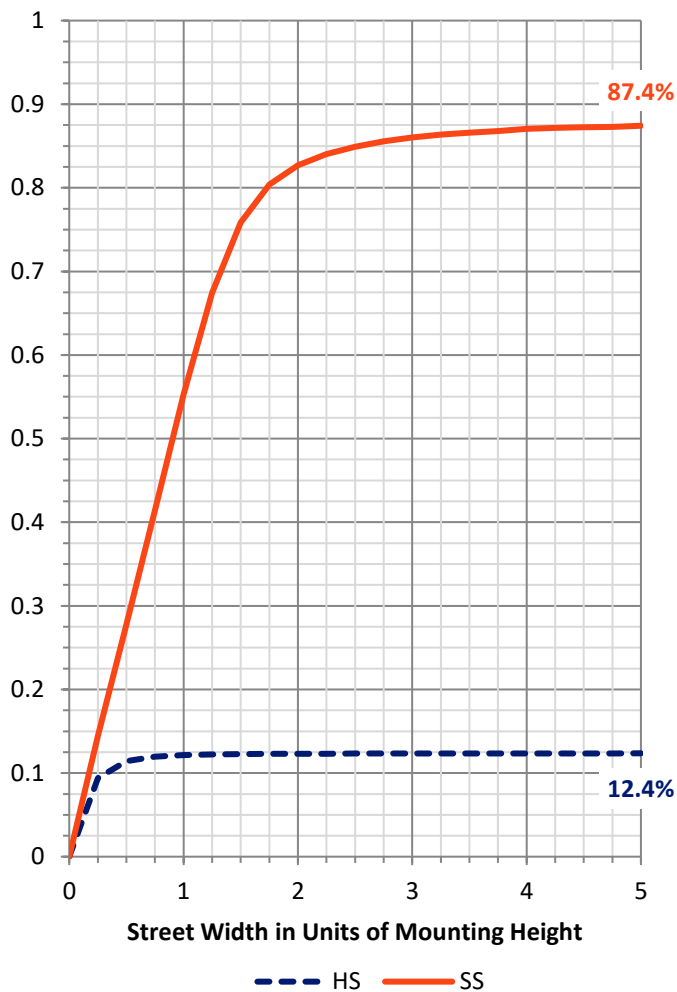
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1380.8	0.0	1380.8
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	9677.2	0.0	9677.2
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	11058.0	0.0	11058.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	222.7	2.0
10°-20°	500.7	4.5
20°-30°	715.5	6.5
30°-40°	1041.0	9.4
40°-50°	1630.3	14.7
50°-60°	2543.4	23.0
60°-70°	2793.8	25.3
70°-80°	1486.8	13.4
80°-90°	123.8	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°	11058.0	100.0
0°-180°	11058.0	100.0

**Coefficient of Utilization**



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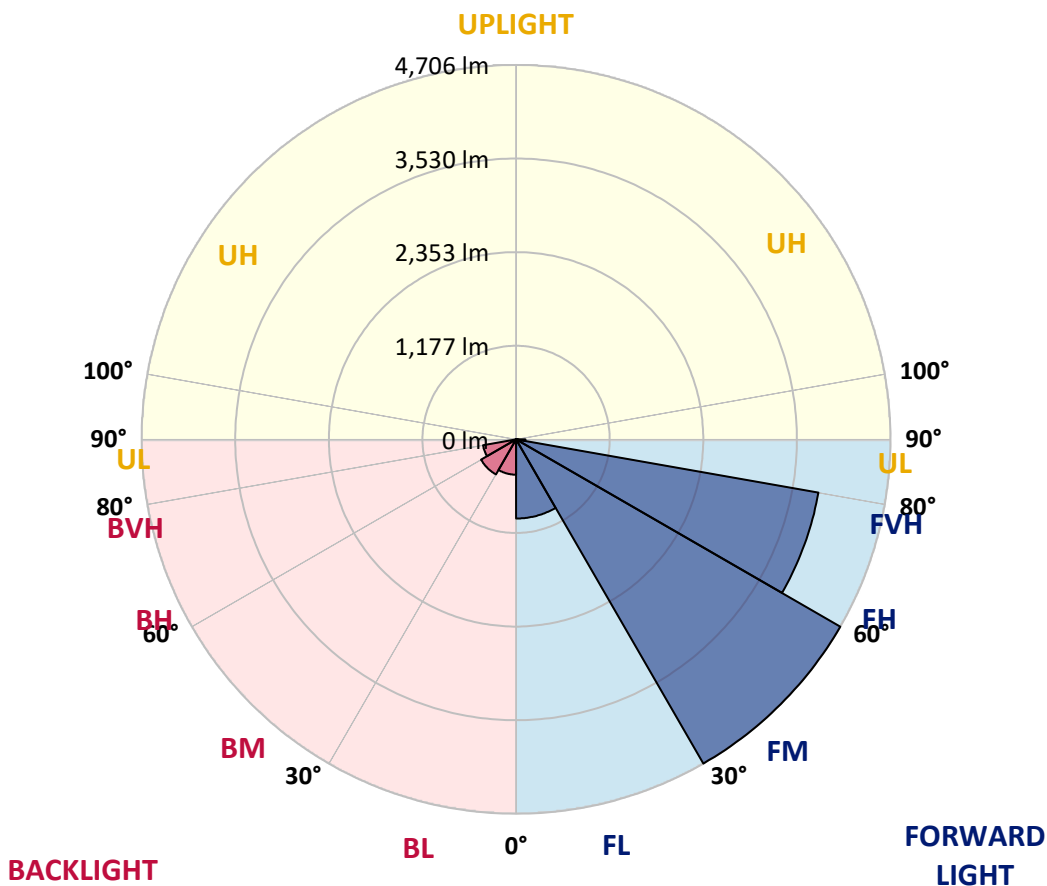
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	995.1	9.0			
FM (30°-60°)	4706.1	42.6			
FH (60°-80°)	3858.8	34.9			G2/5000
FVH (80°-90°)	117.2	1.1			G2/225
BL (0°-30°)	443.8	4.0	B1/500		
BM (30°-60°)	508.6	4.6	B1/1000		
BH (60°-80°)	421.8	3.8	B1/500		G1/500
BVH (80°-90°)	6.6	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°	2681.9	2681.9	2681.9	2681.9	2681.9	2681.9	2681.9	2681.9	2681.9	2681.9	2681.9
2.5°	2588.9	2596.9	2585.9	2612.9	2617.9	2647.9	2664.9	2676.9	2675.9	2690.9	2690.9
5°	2436.9	2444.9	2438.9	2467.9	2490.9	2537.9	2576.9	2621.9	2623.9	2669.9	2686.9
7.5°	2307.9	2308.9	2308.9	2344.9	2374.9	2432.9	2490.9	2559.9	2567.9	2638.9	2683.9
10°	2201.9	2204.9	2205.9	2246.9	2279.9	2349.9	2423.9	2506.9	2515.9	2611.9	2681.9
12.5°	2128.9	2129.9	2133.9	2176.9	2212.9	2285.9	2360.9	2455.9	2467.9	2580.9	2672.9
15°	2093.9	2091.9	2093.9	2129.9	2165.9	2235.9	2312.9	2414.9	2427.9	2554.9	2673.9
17.5°	2091.9	2088.9	2086.9	2113.9	2136.9	2198.9	2276.9	2387.9	2401.9	2542.9	2684.9
20°	2120.9	2118.9	2108.9	2120.9	2125.9	2176.9	2253.9	2366.9	2380.9	2540.9	2708.9
22.5°	2196.9	2191.9	2176.9	2165.9	2138.9	2168.9	2237.9	2351.9	2367.9	2545.9	2739.9
25°	2309.9	2307.9	2288.9	2261.9	2192.9	2180.9	2238.9	2351.9	2366.9	2551.9	2772.9
27.5°	2479.9	2467.9	2443.9	2396.9	2297.9	2227.9	2258.9	2357.9	2372.9	2559.9	2799.9
30°	2652.9	2651.9	2643.9	2595.9	2448.9	2317.9	2300.9	2373.9	2387.9	2566.9	2824.9
32.5°	2831.9	2834.9	2854.9	2817.9	2656.9	2451.9	2376.9	2406.9	2416.9	2580.9	2846.9
35°	3001.9	3007.9	3060.9	3073.9	2909.9	2654.9	2500.9	2472.9	2473.9	2611.9	2875.9
37.5°	3164.9	3184.9	3269.9	3332.9	3224.9	2900.9	2679.9	2584.9	2576.9	2673.9	2919.9
40°	3349.9	3387.9	3494.9	3601.9	3567.9	3225.9	2923.9	2756.9	2739.9	2787.9	2998.9
42.5°	3554.9	3595.9	3737.9	3887.9	3903.9	3618.9	3228.9	3007.9	2978.9	2979.9	3146.9
45°	3774.9	3829.9	3994.9	4210.9	4307.9	4056.9	3604.9	3346.9	3317.9	3274.9	3384.9
47.5°	4063.9	4111.9	4270.9	4519.9	4705.8	4526.9	4097.9	3782.9	3729.9	3666.9	3754.9
50°	4312.9	4354.9	4491.9	4803.8	5190.8	5132.8	4656.8	4327.9	4276.9	4169.9	4242.9
52.5°	4367.9	4400.9	4526.9	4877.8	5561.8	5897.8	5341.8	4986.8	4950.8	4752.8	4780.8
55°	4120.9	4170.9	4283.9	4673.8	5658.8	6645.8	6230.8	5729.8	5654.8	5338.8	5388.8
57.5°	3496.9	3585.9	3691.9	4198.9	5395.8	7043.8	7472.8	6516.8	6448.8	5902.8	5903.8
60°	2562.9	2634.9	2705.9	3169.9	4771.8	7016.8	8599.7	7400.8	7276.8	6363.8	6346.8
62.5°	1863.9	1900.9	1899.9	2064.9	3276.9	6554.8	9191.7	8732.7	8443.7	6856.8	6759.8
65°	1466.0	1465.0	1508.0	1561.9	1829.9	5059.8	9264.7	10677.7	10365.7	7517.8	7315.8
67.5°	1141.0	1163.0	1206.0	1365.0	1375.0	2647.9	8622.7	11880.6	11874.6	8526.7	7966.7
70°	880.0	910.0	971.0	1203.0	1270.0	1482.0	6451.8	11499.6	11596.6	8977.7	7505.8
72.5°	565.0	563.0	653.0	972.0	1220.0	1235.0	3567.9	9134.7	9244.7	8131.7	6068.8
75°	316.0	318.0	369.0	595.0	1137.0	1162.0	1766.9	6513.8	6600.8	6339.8	4662.8
77.5°	124.0	128.0	173.0	313.0	750.0	1038.0	1050.0	4441.9	4454.9	3928.9	2859.9
80°	50.0	53.0	88.0	194.0	457.0	699.0	750.0	2616.9	2563.9	1521.0	832.0
82.5°	15.0	16.0	35.0	110.0	239.0	497.0	506.0	1004.0	948.0	327.0	212.0
85°	1.0	1.0	8.0	34.0	85.0	125.0	337.0	327.0	290.0	82.0	94.0
87.5°	0.0	0.0	1.0	1.0	2.0	4.0	36.0	60.0	61.0	15.0	42.0
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°	2681.9	2681.9	2681.9	2681.9	2681.9	2681.9	2681.9	2681.9	2681.9	2681.9	2681.9
2.5°	2690.9	2654.9	2651.9	2623.9	2595.9	2560.9	2519.9	2489.9	2468.9	2431.9	2424.9
5°	2686.9	2638.9	2593.9	2513.9	2424.9	2328.9	2244.9	2166.9	2117.9	2084.9	2070.9
7.5°	2678.9	2617.9	2513.9	2362.9	2213.9	2045.9	1914.9	1794.9	1712.9	1664.9	1643.9
10°	2672.9	2590.9	2421.9	2192.9	1961.9	1729.9	1531.0	1353.0	1254.0	1176.0	1163.0
12.5°	2660.9	2551.9	2303.9	1993.9	1695.9	1388.0	1134.0	916.0	765.0	697.0	673.0
15°	2648.9	2510.9	2185.9	1783.9	1406.0	1026.0	718.0	508.0	404.0	372.0	370.0
17.5°	2646.9	2473.9	2057.9	1584.9	1102.0	672.0	409.0	329.0	307.0	299.0	299.0
20°	2652.9	2442.9	1931.9	1356.0	803.0	409.0	305.0	285.0	272.0	265.0	265.0
22.5°	2658.9	2410.9	1810.9	1125.0	533.0	299.0	269.0	252.0	237.0	229.0	225.0
25°	2662.9	2375.9	1676.9	893.0	348.0	260.0	236.0	214.0	196.0	186.0	186.0
27.5°	2661.9	2333.9	1542.0	666.0	270.0	231.0	202.0	179.0	161.0	150.0	151.0
30°	2653.9	2287.9	1402.0	465.0	236.0	202.0	173.0	149.0	131.0	122.0	121.0
32.5°	2647.9	2238.9	1240.0	327.0	212.0	177.0	147.0	124.0	109.0	102.0	101.0
35°	2640.9	2190.9	1086.0	249.0	191.0	153.0	124.0	105.0	93.0	87.0	87.0
37.5°	2642.9	2140.9	919.0	214.0	170.0	133.0	106.0	90.0	80.0	74.0	73.0
40°	2673.9	2110.9	755.0	194.0	151.0	115.0	92.0	78.0	68.0	62.0	61.0
42.5°	2750.9	2111.9	598.0	179.0	134.0	98.0	80.0	67.0	58.0	51.0	50.0
45°	2904.9	2153.9	459.0	163.0	116.0	85.0	69.0	57.0	48.0	42.0	41.0
47.5°	3156.9	2278.9	348.0	149.0	101.0	74.0	59.0	48.0	40.0	35.0	34.0
50°	3557.9	2504.9	274.0	132.0	85.0	64.0	50.0	40.0	33.0	28.0	27.0
52.5°	4039.9	2843.9	235.0	117.0	73.0	56.0	43.0	33.0	27.0	23.0	22.0
55°	4593.9	3248.9	217.0	102.0	62.0	48.0	35.0	27.0	22.0	19.0	17.0
57.5°	5101.8	3613.9	216.0	87.0	53.0	41.0	29.0	23.0	19.0	15.0	14.0
60°	5596.8	3918.9	203.0	72.0	46.0	34.0	25.0	19.0	16.0	13.0	12.0
62.5°	6045.8	4166.9	170.0	58.0	39.0	28.0	21.0	17.0	14.0	11.0	11.0
65°	6609.8	4482.9	130.0	47.0	32.0	23.0	18.0	15.0	13.0	10.0	10.0
67.5°	7192.8	4649.8	93.0	39.0	26.0	20.0	16.0	14.0	11.0	9.0	9.0
70°	6514.8	3928.9	67.0	32.0	22.0	17.0	14.0	13.0	11.0	9.0	8.0
72.5°	5087.8	2832.9	50.0	25.0	19.0	16.0	13.0	12.0	10.0	8.0	8.0
75°	3772.9	1651.9	38.0	20.0	15.0	13.0	13.0	12.0	10.0	8.0	7.0
77.5°	2050.9	576.0	29.0	16.0	12.0	10.0	11.0	11.0	9.0	7.0	6.0
80°	543.0	158.0	20.0	12.0	10.0	8.0	8.0	10.0	8.0	6.0	6.0
82.5°	158.0	46.0	14.0	10.0	8.0	7.0	7.0	7.0	6.0	5.0	4.0
85°	77.0	17.0	10.0	8.0	7.0	6.0	5.0	5.0	4.0	3.0	3.0
87.5°	34.0	7.0	8.0	7.0	7.0	5.0	4.0	3.0	3.0	2.0	1.0
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)