

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: P634790

Luminaire Tested: GWS-SA3C-740-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634790
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-740-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III 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: 11298 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

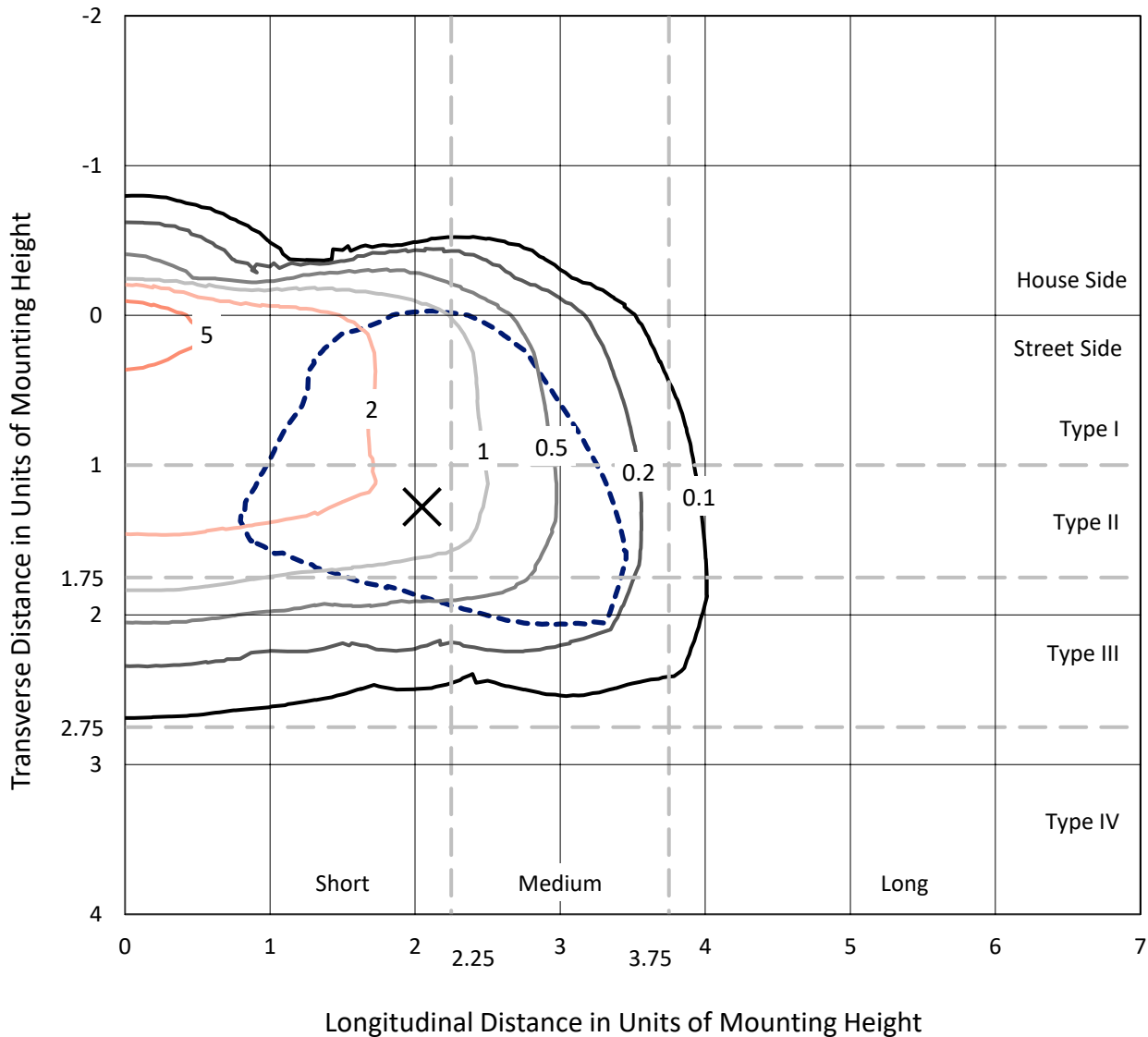
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

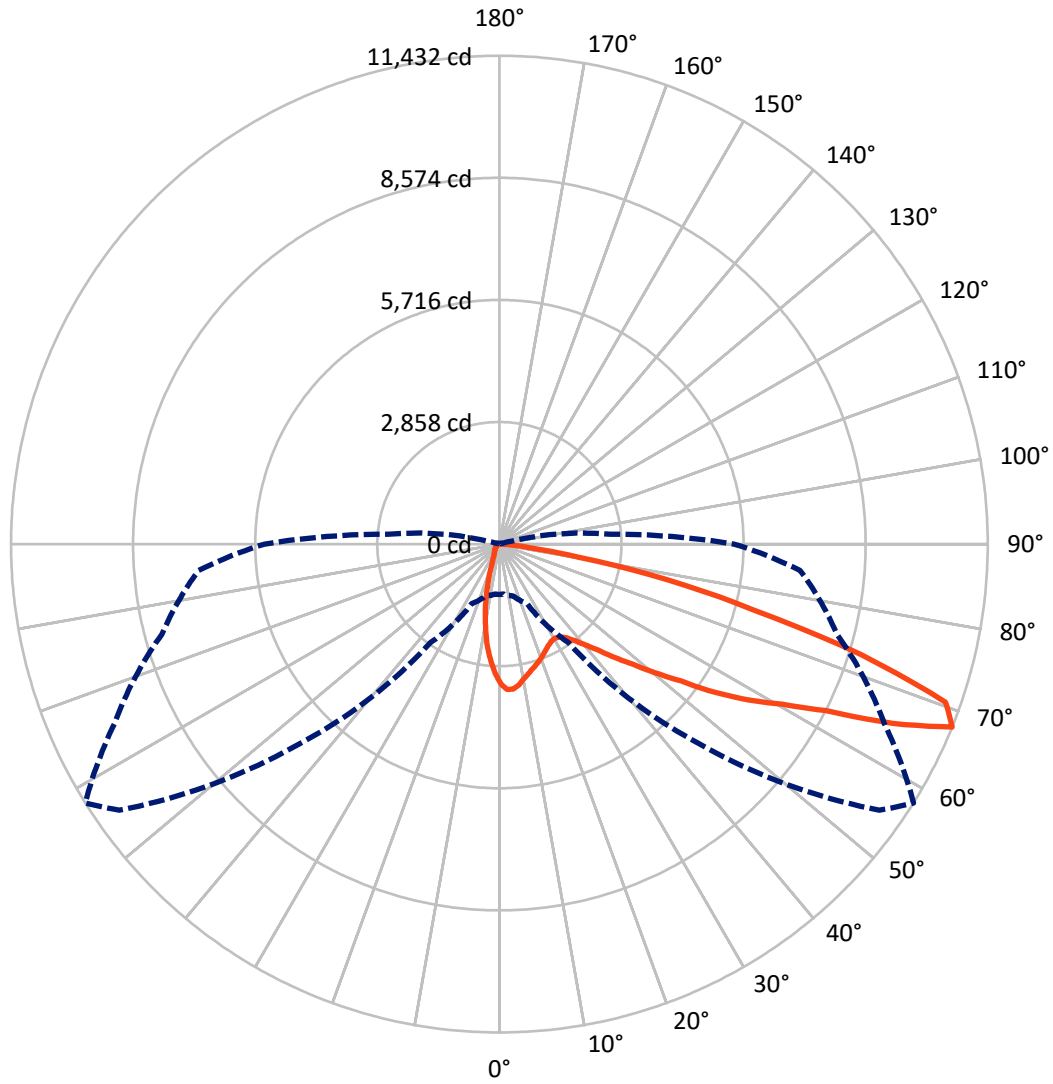
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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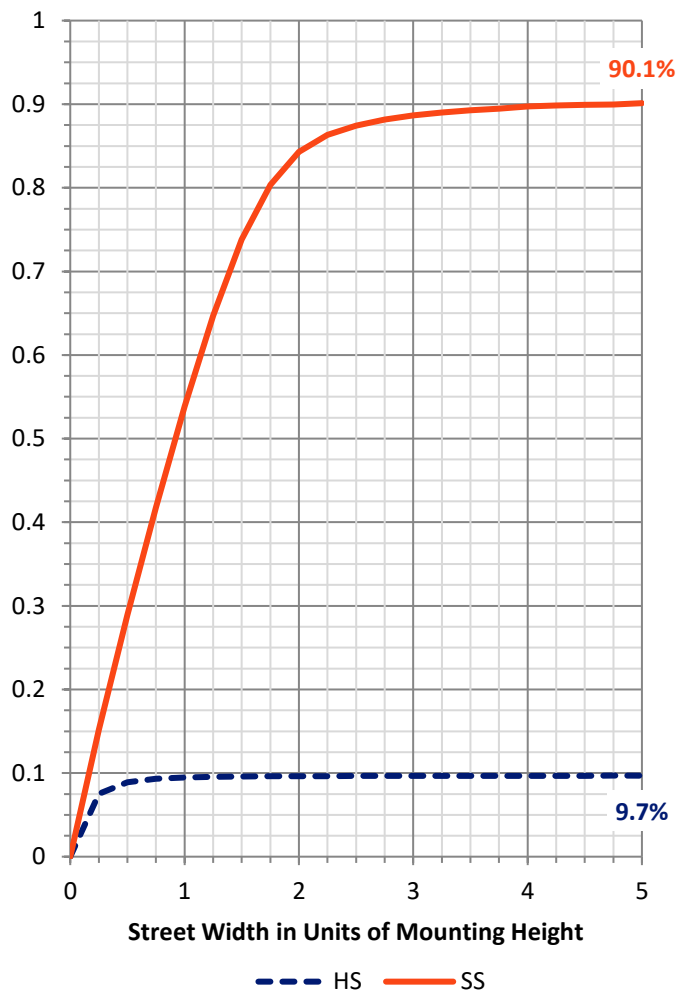
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1103.8	0.0	1103.8
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	10194.3	0.0	10194.3
	% Fixture	90.2	0.0	90.2
Total	Lumens	11298.0	0.0	11298.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.8	2.3
10°-20°	551.3	4.9
20°-30°	743.4	6.6
30°-40°	1044.6	9.2
40°-50°	1613.3	14.3
50°-60°	2579.9	22.8
60°-70°	3054.8	27.0
70°-80°	1351.4	12.0
80°-90°	94.5	0.8
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°	11298.0	100.0
0°-180°	11298.0	100.0

Coefficient of Utilization



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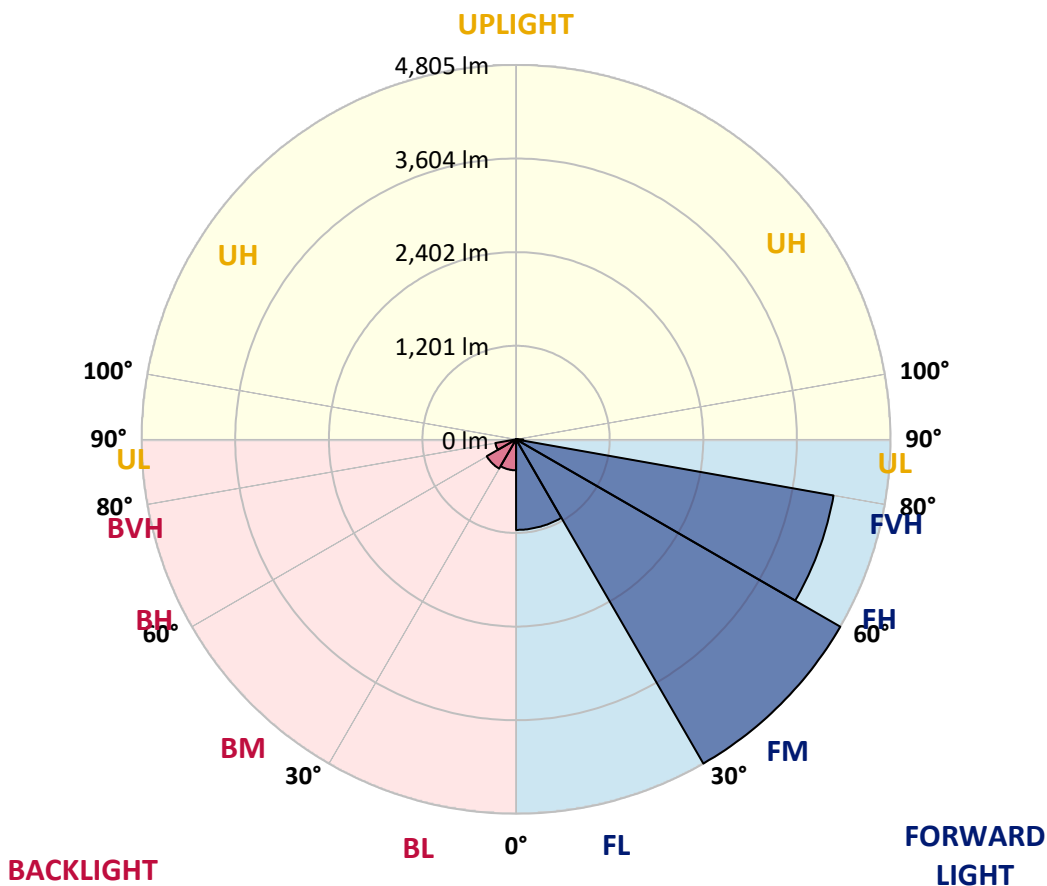
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1162.3	10.3			
FM (30°-60°)	4804.8	42.5			
FH (60°-80°)	4136.7	36.6			G2/5000
FVH (80°-90°)	90.5	0.8			G1/100
BL (0°-30°)	397.2	3.5	B1/500		
BM (30°-60°)	433.1	3.8	B1/1000		
BH (60°-80°)	269.5	2.4	B1/500		G1/500
BVH (80°-90°)	4.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3258.9	3258.9	3258.9	3258.9	3258.9	3258.9	3258.9	3258.9	3258.9	3258.9	3258.9
2.5°	3427.9	3433.9	3441.9	3451.9	3449.9	3440.9	3429.9	3404.9	3388.9	3338.9	3277.9
5°	3317.9	3316.9	3336.9	3355.9	3389.9	3407.9	3432.9	3409.9	3401.9	3341.9	3242.9
7.5°	3102.9	3113.9	3136.9	3166.9	3215.9	3268.9	3328.9	3321.9	3345.9	3305.9	3182.9
10°	2891.9	2885.9	2921.9	2966.9	3041.9	3109.9	3196.9	3195.9	3258.9	3254.9	3114.9
12.5°	2706.9	2705.9	2733.9	2784.9	2872.9	2967.9	3085.9	3088.9	3166.9	3198.9	3056.9
15°	2550.9	2552.9	2579.9	2632.9	2723.9	2839.9	2976.9	3001.9	3089.9	3154.9	2999.9
17.5°	2439.9	2440.9	2456.9	2502.9	2591.9	2715.9	2880.9	2914.9	3027.9	3121.9	2953.9
20°	2388.9	2384.9	2387.9	2410.9	2479.9	2592.9	2782.9	2826.9	2970.9	3098.9	2911.9
22.5°	2395.9	2389.9	2375.9	2372.9	2403.9	2489.9	2678.9	2732.9	2908.9	3084.9	2873.9
25°	2457.9	2444.9	2424.9	2394.9	2382.9	2425.9	2587.9	2643.9	2850.9	3085.9	2844.9
27.5°	2552.9	2538.9	2513.9	2473.9	2426.9	2408.9	2525.9	2578.9	2809.9	3108.9	2830.9
30°	2673.9	2662.9	2638.9	2590.9	2527.9	2453.9	2512.9	2556.9	2789.9	3155.9	2836.9
32.5°	2816.9	2808.9	2788.9	2744.9	2672.9	2559.9	2556.9	2590.9	2805.9	3223.9	2859.9
35°	2954.9	2957.9	2958.9	2934.9	2857.9	2720.9	2677.9	2689.9	2871.9	3325.9	2911.9
37.5°	3103.9	3096.9	3132.9	3149.9	3075.9	2929.9	2864.9	2865.9	2997.9	3476.9	3009.9
40°	3216.9	3218.9	3296.9	3366.9	3335.9	3194.9	3101.9	3100.9	3191.9	3683.9	3167.9
42.5°	3322.9	3335.9	3450.9	3570.9	3613.9	3488.9	3421.9	3396.9	3463.9	3963.8	3404.9
45°	3435.9	3454.9	3615.9	3786.9	3899.8	3825.9	3772.9	3782.9	3790.9	4289.8	3723.9
47.5°	3567.9	3579.9	3778.9	4019.8	4230.8	4211.8	4214.8	4202.8	4198.8	4700.8	4145.8
50°	3727.9	3755.9	3984.8	4272.8	4560.8	4686.8	4728.8	4733.8	4668.8	5148.8	4582.8
52.5°	4067.8	4101.8	4297.8	4549.8	4920.8	5185.8	5356.8	5322.8	5222.8	5582.8	5061.8
55°	4468.8	4494.8	4683.8	4944.8	5360.8	5732.8	6138.8	6124.8	5879.8	6039.8	5455.8
57.5°	4506.8	4535.8	4828.8	5228.8	5925.8	6408.8	6835.7	6880.7	6521.7	6363.8	5807.8
60°	4079.8	4138.8	4538.8	5076.8	6141.8	7317.7	7599.7	7608.7	6992.7	6692.7	6237.8
62.5°	3269.9	3297.9	3700.9	4402.8	5808.8	7847.7	8766.7	8576.7	7597.7	7201.7	6918.7
65°	1713.9	1827.9	2178.9	2955.9	4710.8	7662.7	10170.6	10118.6	8685.7	7930.7	7448.7
67.5°	1176.0	1175.0	1258.0	1540.9	2808.9	6597.7	10859.6	11431.6	9943.6	8180.7	7064.7
70°	895.0	898.0	972.0	1156.0	1454.9	4391.8	10103.6	11081.6	10177.6	7427.7	5713.8
72.5°	594.0	600.0	723.0	934.0	1162.0	2152.9	7851.7	8866.7	8563.7	5965.8	4021.8
75°	355.0	360.0	448.0	679.0	1033.0	1205.0	4988.8	6129.8	5894.8	4111.8	2155.9
77.5°	146.0	150.0	230.0	423.0	756.0	936.0	2758.9	4010.8	3530.9	1634.9	589.0
80°	61.0	63.0	111.0	296.0	545.0	587.0	1278.0	1884.9	1446.9	352.0	180.0
82.5°	22.0	23.0	41.0	163.0	339.0	442.0	645.0	745.0	408.0	115.0	97.0
85°	1.0	1.0	10.0	55.0	129.0	125.0	369.0	357.0	135.0	48.0	58.0
87.5°	0.0	0.0	1.0	1.0	2.0	5.0	35.0	62.0	29.0	12.0	25.0
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°	3258.9	3258.9	3258.9	3258.9	3258.9	3258.9	3258.9	3258.9	3258.9	3258.9	3258.9
2.5°	3237.9	3184.9	3126.9	3072.9	2986.9	2935.9	2872.9	2844.9	2804.9	2794.9	2800.9
5°	3171.9	3080.9	2941.9	2815.9	2652.9	2521.9	2389.9	2333.9	2261.9	2213.9	2193.9
7.5°	3078.9	2959.9	2742.9	2513.9	2289.9	2050.9	1868.9	1748.9	1639.9	1579.9	1567.9
10°	2984.9	2829.9	2518.9	2190.9	1843.9	1557.9	1311.9	1130.0	982.0	915.0	863.0
12.5°	2887.9	2694.9	2290.9	1862.9	1459.9	1070.0	766.0	589.0	483.0	441.0	448.0
15°	2798.9	2564.9	2064.9	1534.9	1028.0	646.0	423.0	357.0	332.0	324.0	323.0
17.5°	2713.9	2441.9	1839.9	1216.0	678.0	396.0	324.0	308.0	301.0	297.0	297.0
20°	2636.9	2323.9	1619.9	916.0	438.0	314.0	293.0	285.0	279.0	276.0	276.0
22.5°	2564.9	2209.9	1404.9	648.0	323.0	282.0	269.0	261.0	254.0	250.0	250.0
25°	2499.9	2106.9	1200.0	446.0	278.0	258.0	244.0	235.0	223.0	216.0	216.0
27.5°	2452.9	2014.9	1003.0	325.0	251.0	232.0	216.0	204.0	191.0	183.0	181.0
30°	2424.9	1936.9	804.0	267.0	226.0	207.0	189.0	174.0	159.0	151.0	150.0
32.5°	2408.9	1864.9	622.0	233.0	205.0	183.0	163.0	147.0	132.0	123.0	122.0
35°	2414.9	1808.9	466.0	210.0	185.0	162.0	140.0	124.0	111.0	103.0	101.0
37.5°	2466.9	1783.9	350.0	192.0	168.0	144.0	121.0	106.0	94.0	88.0	87.0
40°	2567.9	1788.9	275.0	178.0	154.0	126.0	104.0	90.0	81.0	76.0	75.0
42.5°	2724.9	1830.9	227.0	166.0	139.0	110.0	90.0	79.0	70.0	65.0	64.0
45°	2958.9	1917.9	198.0	152.0	123.0	95.0	78.0	68.0	60.0	54.0	53.0
47.5°	3297.9	2068.9	179.0	139.0	109.0	82.0	67.0	57.0	50.0	45.0	44.0
50°	3658.9	2249.9	163.0	126.0	97.0	71.0	57.0	47.0	41.0	36.0	35.0
52.5°	4043.8	2444.9	151.0	114.0	86.0	61.0	48.0	39.0	33.0	28.0	27.0
55°	4413.8	2640.9	137.0	106.0	73.0	52.0	40.0	32.0	26.0	22.0	22.0
57.5°	4773.8	2820.9	122.0	93.0	60.0	44.0	33.0	26.0	21.0	18.0	17.0
60°	5203.8	3069.9	105.0	79.0	50.0	37.0	27.0	21.0	17.0	14.0	14.0
62.5°	5842.8	3328.9	90.0	66.0	42.0	31.0	22.0	17.0	14.0	12.0	11.0
65°	6051.8	3188.9	76.0	54.0	34.0	25.0	18.0	15.0	12.0	11.0	10.0
67.5°	5493.8	2613.9	63.0	44.0	28.0	21.0	16.0	13.0	11.0	10.0	9.0
70°	4286.8	1854.9	49.0	33.0	23.0	17.0	14.0	12.0	10.0	9.0	9.0
72.5°	2915.9	1097.0	39.0	25.0	19.0	15.0	12.0	11.0	10.0	9.0	8.0
75°	1435.9	390.0	30.0	19.0	15.0	13.0	11.0	10.0	9.0	8.0	8.0
77.5°	387.0	108.0	23.0	15.0	12.0	10.0	10.0	10.0	9.0	7.0	7.0
80°	131.0	45.0	17.0	11.0	10.0	8.0	7.0	9.0	8.0	7.0	6.0
82.5°	72.0	22.0	12.0	9.0	7.0	6.0	6.0	6.0	6.0	5.0	5.0
85°	46.0	12.0	8.0	7.0	7.0	5.0	4.0	4.0	3.0	3.0	3.0
87.5°	21.0	7.0	7.0	6.0	6.0	5.0	3.0	2.0	1.0	1.0	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)