

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: P634894

Luminaire Tested: GWS-SA3C-760-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634894
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-SA3C-760-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8263.9 lumens
Efficiency: N/A
Efficacy: 88.9 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

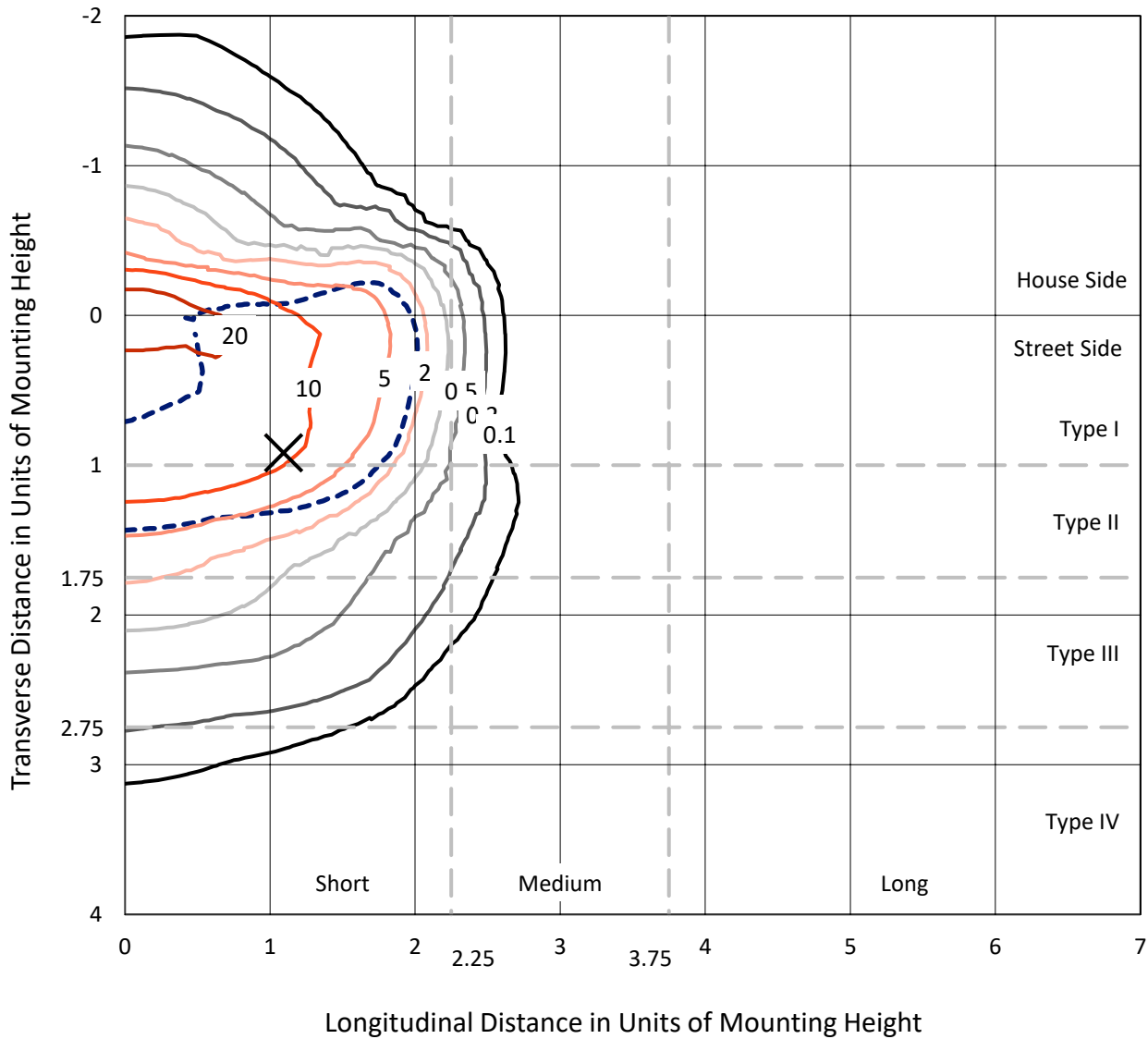
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

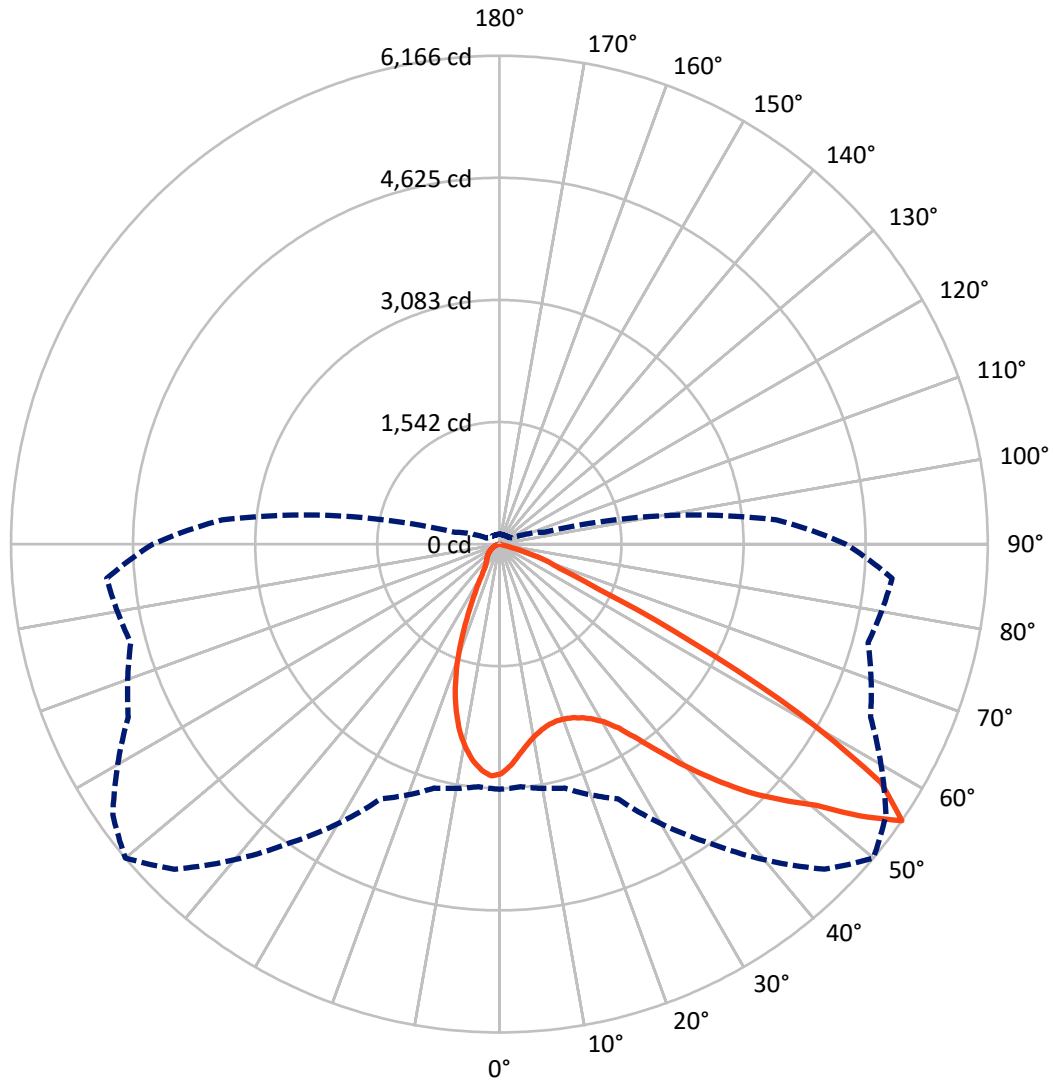
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 29 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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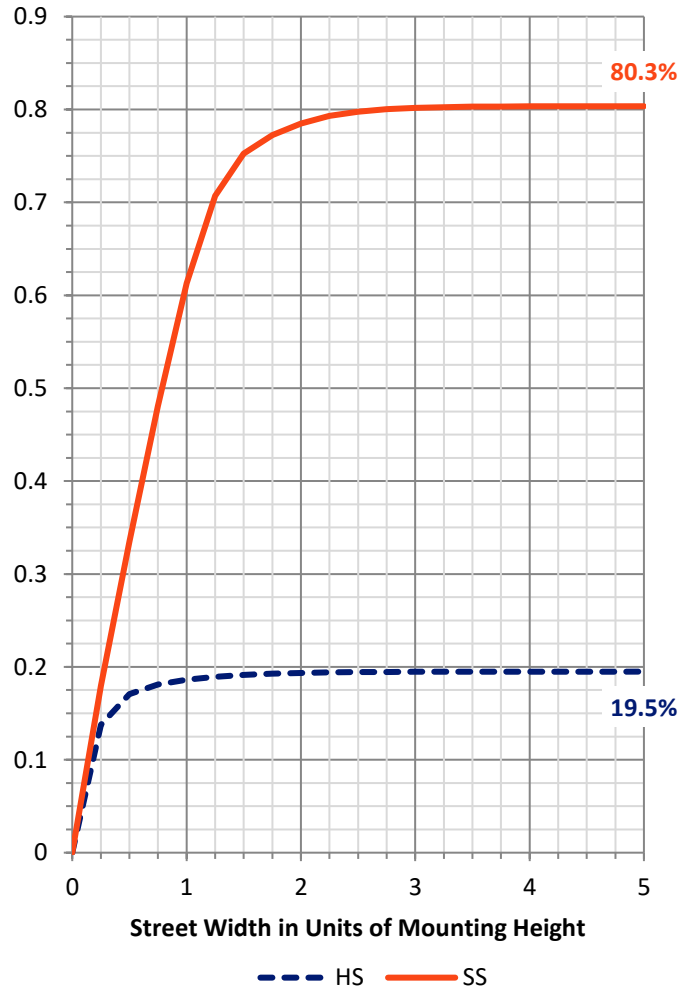
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1628.4	0.0	1628.4
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	6635.5	0.0	6635.5
	% Fixture	80.3	0.0	80.3
Total	Lumens	8263.9	0.0	8263.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.6	3.1
10°-20°	626.6	7.6
20°-30°	883.8	10.7
30°-40°	1307.9	15.8
40°-50°	1886.9	22.8
50°-60°	2225.7	26.9
60°-70°	992.9	12.0
70°-80°	85.4	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°	8263.9	100.0
0°-180°	8263.9	100.0

Coefficient of Utilization



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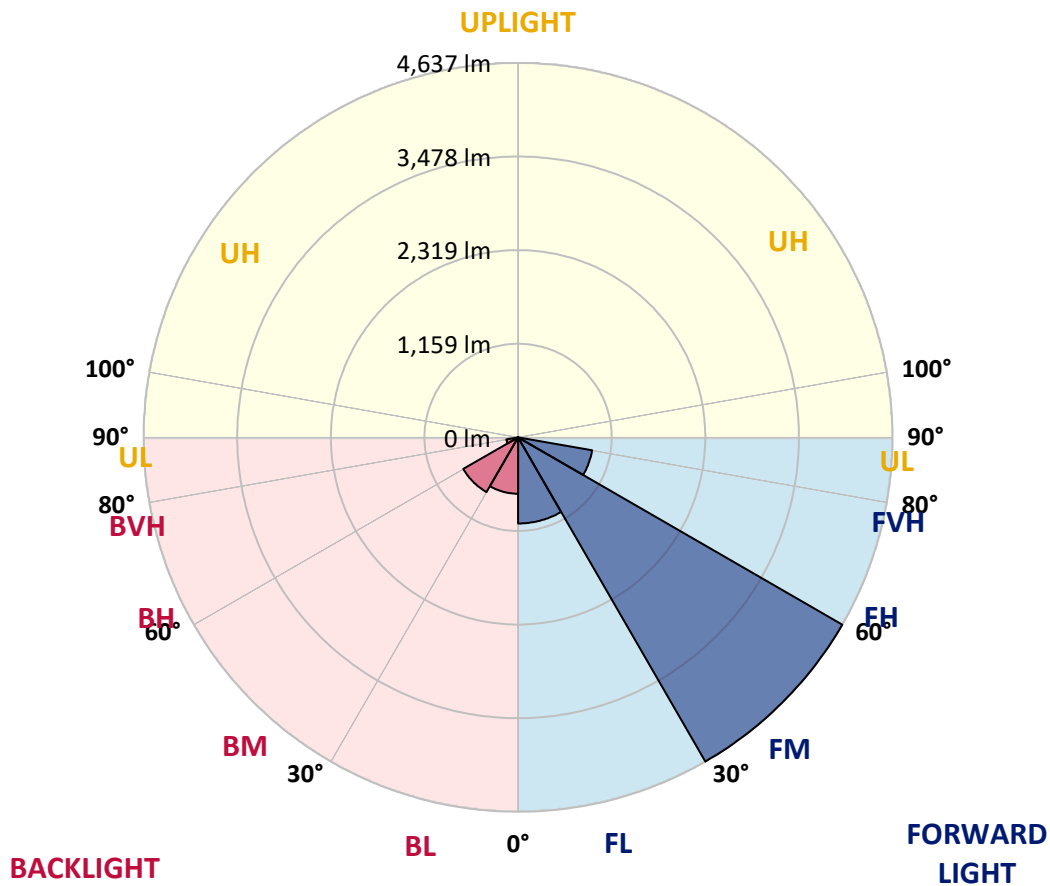
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1066.9	12.9			
FM (30°-60°)	4637.4	56.1			
FH (60°-80°)	931.2	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	698.2	8.4	B2/1000		
BM (30°-60°)	783.1	9.5	B1/1000		
BH (60°-80°)	147.0	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°	2899.4	2899.4	2899.4	2899.4	2899.4	2899.4	2899.4	2899.4	2899.4	2899.4	2899.4
2.5°	2693.6	2695.6	2696.7	2723.9	2734.0	2774.3	2795.5	2806.6	2835.9	2870.2	2898.4
5°	2513.0	2510.0	2515.1	2549.4	2571.6	2631.1	2663.4	2685.6	2750.1	2830.8	2898.4
7.5°	2355.7	2361.7	2367.8	2405.1	2438.4	2503.0	2549.4	2582.7	2672.4	2792.5	2906.5
10°	2244.7	2244.7	2253.8	2296.1	2335.5	2415.2	2461.6	2504.0	2610.9	2758.2	2915.6
12.5°	2163.0	2164.0	2175.1	2223.5	2268.9	2351.6	2400.1	2441.4	2559.5	2723.9	2917.6
15°	2124.6	2121.6	2130.7	2182.1	2232.6	2310.3	2360.7	2401.1	2523.1	2704.7	2927.7
17.5°	2114.6	2112.5	2119.6	2170.0	2221.5	2297.2	2346.6	2386.9	2518.1	2710.8	2957.9
20°	2143.8	2139.8	2136.7	2180.1	2228.6	2303.2	2354.7	2400.1	2542.3	2744.1	3004.4
22.5°	2213.4	2213.4	2206.4	2227.5	2259.8	2327.4	2380.9	2440.4	2605.9	2810.7	3073.0
25°	2341.5	2331.5	2318.3	2327.4	2323.4	2365.8	2429.3	2512.0	2725.9	2920.6	3156.7
27.5°	2487.8	2496.9	2474.7	2475.7	2440.4	2425.3	2498.9	2624.0	2904.5	3076.0	3280.8
30°	2686.6	2679.5	2680.5	2677.5	2595.8	2524.1	2603.8	2770.3	3129.5	3313.1	3442.2
32.5°	2841.9	2852.0	2885.3	2904.5	2797.5	2682.5	2767.3	2969.0	3385.7	3583.4	3639.9
35°	3006.4	3024.5	3092.1	3154.7	3064.9	2932.7	3023.5	3232.4	3626.8	3850.8	3866.9
37.5°	3179.9	3216.2	3296.9	3406.9	3392.8	3275.7	3358.5	3542.1	3816.5	4012.2	4054.6
40°	3378.6	3413.9	3546.1	3704.5	3737.8	3711.6	3738.8	3845.7	3941.6	4019.3	4135.3
42.5°	3596.6	3645.0	3812.4	4024.3	4149.4	4172.6	4109.0	4097.9	3996.1	3938.6	4118.1
45°	3853.8	3910.3	4100.0	4374.4	4573.1	4604.4	4494.4	4352.2	4030.4	3879.0	4066.7
47.5°	4142.3	4195.8	4384.5	4714.4	5010.0	5022.1	4830.4	4601.4	4132.3	3947.6	4106.0
50°	4239.2	4272.5	4435.9	4823.3	5368.1	5460.9	5183.5	4881.8	4337.0	4149.4	4297.7
52.5°	3906.3	3919.4	4061.6	4453.1	5295.5	5891.7	5699.0	5300.5	4701.2	4457.1	4593.3
55°	3095.2	3074.0	3189.0	3548.1	4602.4	5803.9	6166.1	5958.3	5170.4	4818.3	4977.7
57.5°	2165.0	2139.8	2113.5	2356.7	3434.1	4920.2	5681.8	6050.1	5617.3	5176.4	5392.3
60°	1779.6	1755.4	1628.3	1516.3	2076.2	3533.0	4364.3	5057.4	5581.0	5158.3	5379.2
62.5°	1537.5	1523.4	1471.9	1319.6	1221.7	2016.7	2733.0	3396.8	4282.6	4050.5	4062.6
65°	1207.6	1203.6	1238.9	1255.0	1080.5	1115.8	1394.2	1765.5	2315.3	2183.2	2070.2
67.5°	825.2	816.2	882.7	1085.5	1039.1	880.7	816.2	823.2	1001.8	612.4	486.3
70°	524.6	503.4	504.4	672.9	845.4	695.1	629.5	553.9	498.4	90.8	102.9
72.5°	335.9	322.8	277.4	303.7	391.4	339.0	342.0	294.6	196.7	48.4	56.5
75°	141.2	130.1	99.9	79.7	78.7	49.4	43.4	40.4	27.2	27.2	29.3
77.5°	1.0	0.0	0.0	1.0	2.0	1.0	1.0	2.0	4.0	6.1	7.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2899.4	2899.4	2899.4	2899.4	2899.4	2899.4	2899.4	2899.4	2899.4	2899.4	2899.4
2.5°	2915.6	2891.4	2918.6	2928.7	2927.7	2928.7	2899.4	2879.3	2878.2	2853.0	2840.9
5°	2926.7	2907.5	2927.7	2914.6	2883.3	2843.9	2791.5	2746.1	2725.9	2696.7	2682.5
7.5°	2947.9	2927.7	2924.7	2872.2	2794.5	2711.8	2619.0	2536.2	2491.9	2438.4	2441.4
10°	2963.0	2939.8	2900.4	2793.5	2664.4	2532.2	2394.0	2270.9	2193.2	2121.6	2109.5
12.5°	2969.0	2934.7	2842.9	2681.5	2499.9	2327.4	2124.6	1949.1	1828.0	1734.2	1721.1
15°	2980.1	2924.7	2769.3	2546.3	2297.2	2053.0	1794.7	1554.6	1394.2	1286.3	1295.4
17.5°	2997.3	2913.6	2686.6	2395.0	2079.2	1734.2	1385.2	1109.7	962.4	899.9	900.9
20°	3021.5	2900.4	2595.8	2228.6	1817.9	1374.1	968.5	760.7	719.3	717.3	714.3
22.5°	3053.8	2887.3	2498.9	2045.9	1508.2	962.4	644.7	580.1	597.2	630.5	636.6
25°	3092.1	2871.2	2391.0	1840.1	1170.3	631.5	483.2	473.2	514.5	558.9	569.0
27.5°	3151.6	2863.1	2267.9	1606.1	821.2	453.0	395.5	401.5	438.8	476.2	485.3
30°	3252.5	2878.2	2133.7	1343.8	527.6	361.2	343.0	352.1	372.3	391.4	399.5
32.5°	3389.7	2922.6	2003.6	1057.3	376.3	313.8	309.7	314.8	322.8	333.9	337.0
35°	3550.1	2999.3	1869.4	756.6	310.7	286.5	282.5	282.5	286.5	288.5	289.5
37.5°	3682.3	3080.0	1743.3	503.4	278.4	265.3	259.3	256.2	255.2	257.3	258.3
40°	3739.8	3113.3	1606.1	366.2	255.2	246.2	237.1	228.0	228.0	235.1	236.1
42.5°	3699.5	3076.0	1447.7	302.7	239.1	226.0	211.9	203.8	207.8	214.9	216.9
45°	3613.7	2984.2	1273.2	267.3	223.0	205.8	189.7	184.6	188.7	197.7	199.8
47.5°	3599.6	2923.6	1064.3	244.1	205.8	188.7	171.5	166.5	171.5	178.6	180.6
50°	3739.8	2976.1	832.3	224.0	189.7	170.5	156.4	151.3	154.4	158.4	160.4
52.5°	3996.1	3170.8	671.9	204.8	170.5	152.3	143.3	137.2	137.2	141.2	142.2
55°	4374.4	3510.8	580.1	182.6	148.3	138.2	130.1	124.1	124.1	126.1	127.1
57.5°	4810.2	3922.4	601.3	153.3	130.1	125.1	118.0	113.0	115.0	115.0	115.0
60°	4749.7	3892.1	643.6	129.1	115.0	113.0	106.9	104.9	110.0	105.9	103.9
62.5°	3498.7	2688.6	337.0	105.9	98.9	96.8	92.8	96.8	103.9	92.8	88.8
65°	1698.9	1301.4	135.2	86.8	83.7	81.7	79.7	85.8	89.8	72.6	68.6
67.5°	399.5	324.8	87.8	73.6	69.6	65.6	67.6	68.6	65.6	49.4	47.4
70°	103.9	101.9	68.6	61.5	55.5	51.5	51.5	50.4	43.4	31.3	29.3
72.5°	56.5	55.5	49.4	46.4	38.3	34.3	35.3	31.3	24.2	18.2	17.2
75°	28.2	30.3	28.2	26.2	21.2	19.2	19.2	17.2	12.1	7.1	7.1
77.5°	6.1	7.1	7.1	6.1	5.0	4.0	4.0	5.0	2.0	0.0	0.0
80°	1.0	1.0	1.0	1.0	1.0	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)