

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: P635501

Luminaire Tested: GWS-SA3D-830-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635501
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-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11082 lumens
Efficiency: N/A
Efficacy: 91.7 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

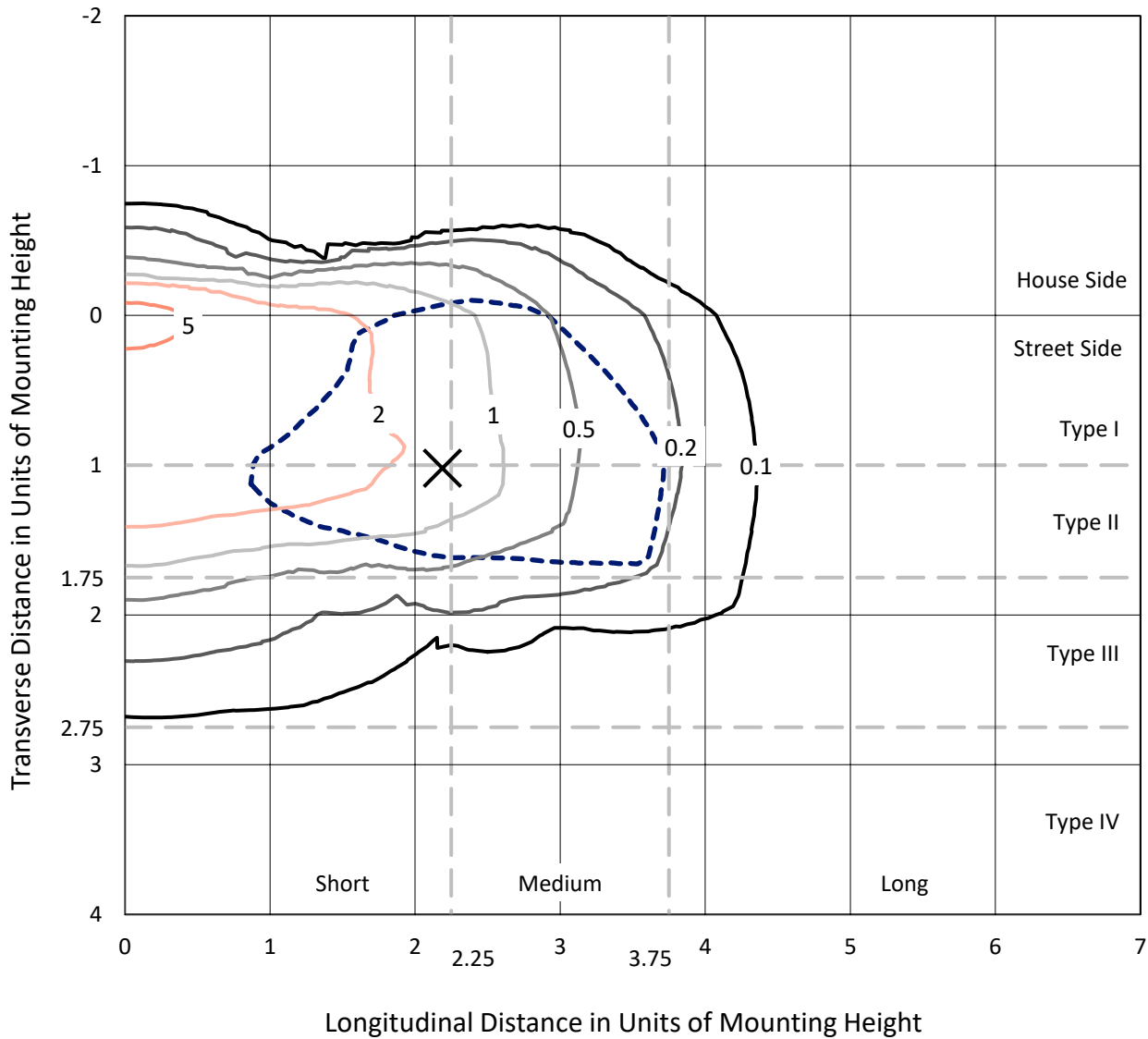
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

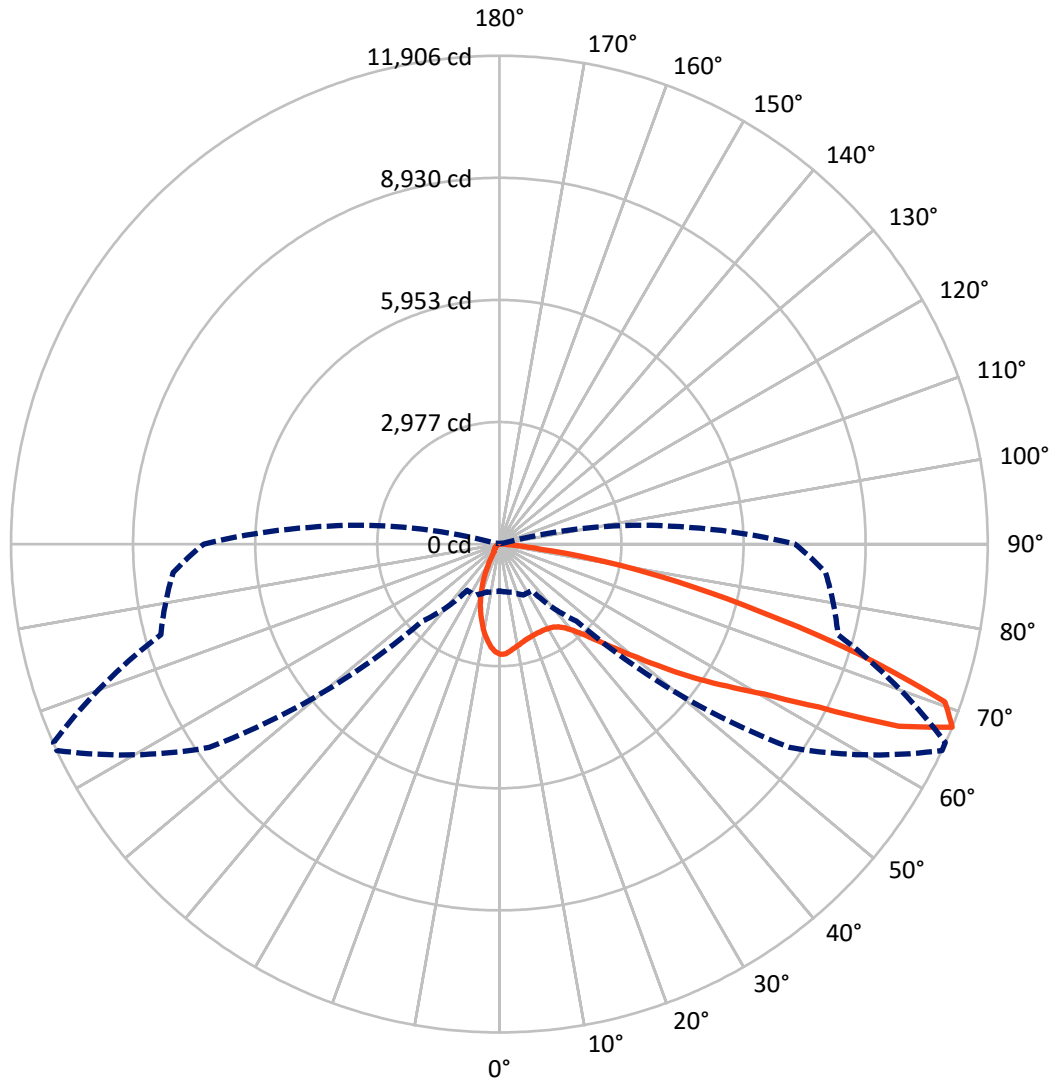
✕ Max cd
 - - - 1/2 Max cd



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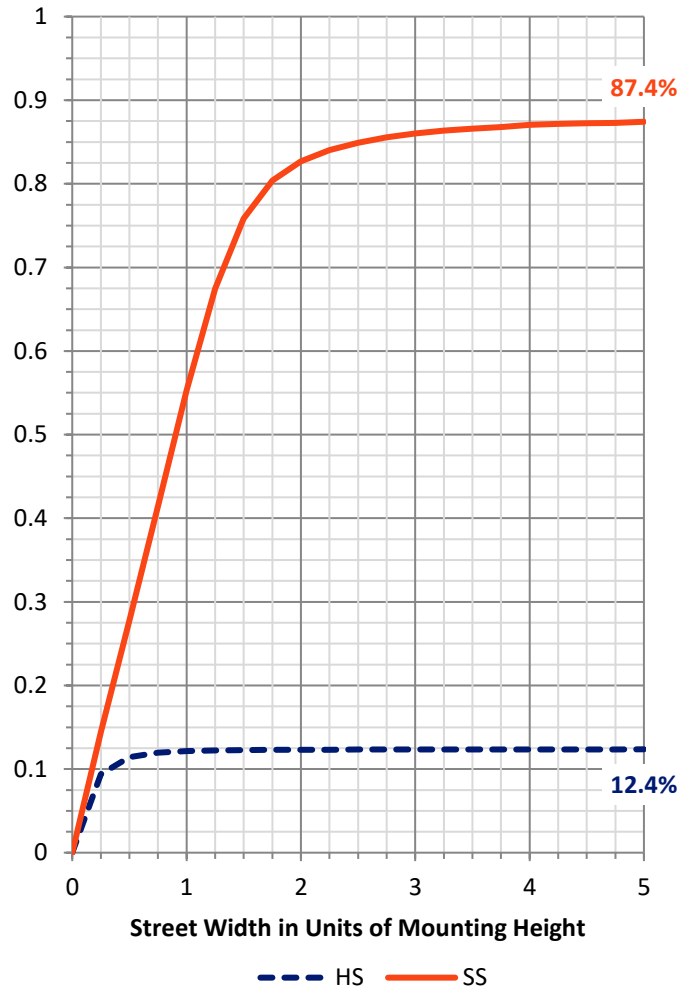
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1383.8	0.0	1383.8
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	9698.2	0.0	9698.2
	% Fixture	87.5	0.0	87.5
Total	Lumens	11082.0	0.0	11082.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.2	2.0
10°-20°	501.8	4.5
20°-30°	717.1	6.5
30°-40°	1043.2	9.4
40°-50°	1633.9	14.7
50°-60°	2548.9	23.0
60°-70°	2799.8	25.3
70°-80°	1490.0	13.4
80°-90°	124.0	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°	11082.0	100.0
0°-180°	11082.0	100.0

Coefficient of Utilization



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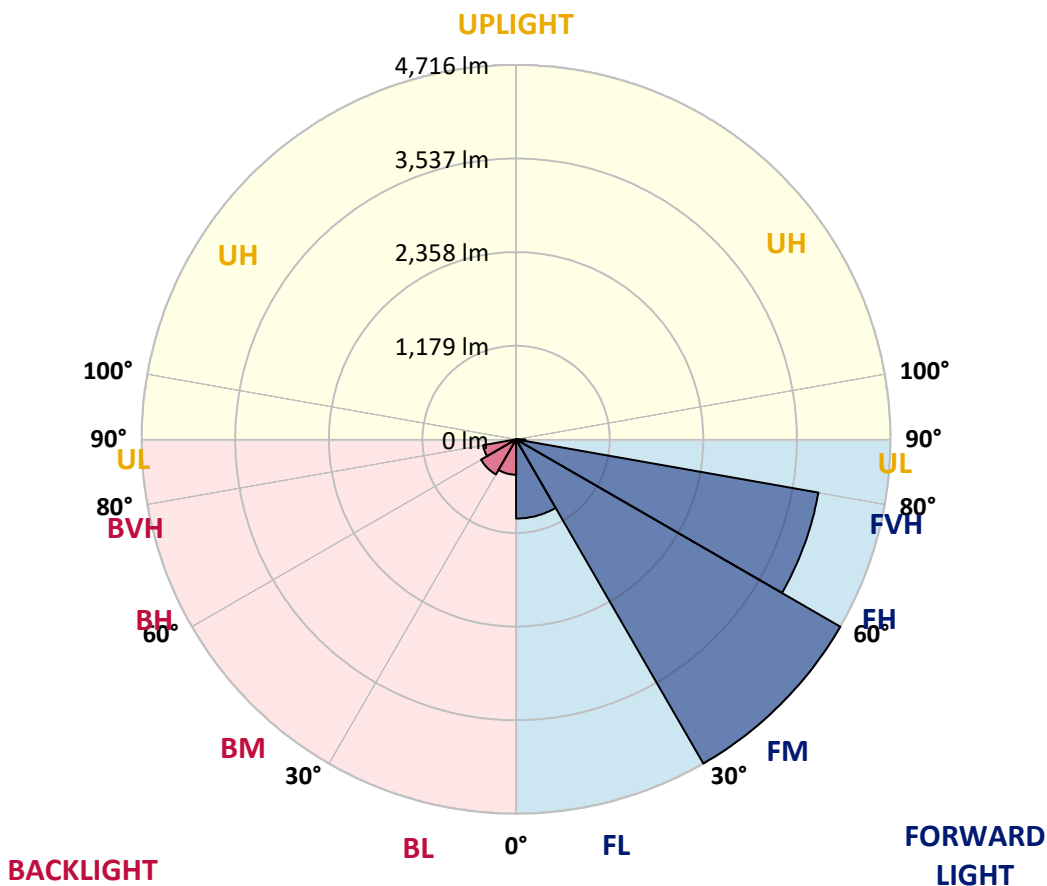
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	997.3	9.0			
FM (30°-60°)	4716.3	42.6			
FH (60°-80°)	3867.2	34.9			G2/5000
FVH (80°-90°)	117.4	1.1			G2/225
BL (0°-30°)	444.8	4.0	B1/500		
BM (30°-60°)	509.7	4.6	B1/1000		
BH (60°-80°)	422.7	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°	2687.7	2687.7	2687.7	2687.7	2687.7	2687.7	2687.7	2687.7	2687.7	2687.7	2687.7
2.5°	2594.5	2602.6	2591.5	2618.6	2623.6	2653.7	2670.7	2682.7	2681.7	2696.8	2696.8
5°	2442.2	2450.2	2444.2	2473.3	2496.3	2543.4	2582.5	2627.6	2629.6	2675.7	2692.7
7.5°	2312.9	2313.9	2313.9	2350.0	2380.1	2438.2	2496.3	2565.5	2573.5	2644.6	2689.7
10°	2206.7	2209.7	2210.7	2251.8	2284.9	2355.0	2429.2	2512.4	2521.4	2617.6	2687.7
12.5°	2133.6	2134.6	2138.6	2181.7	2217.7	2290.9	2366.0	2461.3	2473.3	2586.5	2678.7
15°	2098.5	2096.5	2098.5	2134.6	2170.6	2240.8	2317.9	2420.2	2433.2	2560.5	2679.7
17.5°	2096.5	2093.5	2091.5	2118.5	2141.6	2203.7	2281.9	2393.1	2407.1	2548.4	2690.7
20°	2125.5	2123.5	2113.5	2125.5	2130.5	2181.7	2258.8	2372.1	2386.1	2546.4	2714.8
22.5°	2201.7	2196.7	2181.7	2170.6	2143.6	2173.6	2242.8	2357.0	2373.1	2551.4	2745.9
25°	2314.9	2312.9	2293.9	2266.8	2197.7	2185.7	2243.8	2357.0	2372.1	2557.5	2778.9
27.5°	2485.3	2473.3	2449.2	2402.1	2302.9	2232.8	2263.8	2363.0	2378.1	2565.5	2806.0
30°	2658.7	2657.7	2649.7	2601.6	2454.2	2323.0	2305.9	2379.1	2393.1	2572.5	2831.0
32.5°	2838.1	2841.1	2861.1	2824.0	2662.7	2457.2	2382.1	2412.1	2422.2	2586.5	2853.1
35°	3008.4	3014.4	3067.5	3080.6	2916.2	2660.7	2506.3	2478.3	2479.3	2617.6	2882.1
37.5°	3171.8	3191.8	3277.0	3340.1	3231.9	2907.2	2685.7	2590.5	2582.5	2679.7	2926.2
40°	3357.2	3395.2	3502.5	3609.7	3575.6	3232.9	2930.3	2762.9	2745.9	2794.0	3005.4
42.5°	3562.6	3603.7	3746.0	3896.3	3912.3	3626.7	3235.9	3014.4	2985.4	2986.4	3153.7
45°	3783.1	3838.2	4003.5	4220.0	4317.2	4065.7	3612.7	3354.2	3325.1	3282.0	3392.2
47.5°	4072.7	4120.8	4280.1	4529.7	4716.1	4536.7	4106.8	3791.1	3738.0	3674.8	3763.0
50°	4322.2	4364.3	4501.6	4814.3	5202.1	5144.0	4667.0	4337.3	4286.1	4178.9	4252.1
52.5°	4377.3	4410.4	4536.7	4888.4	5573.9	5910.6	5353.4	4997.7	4961.6	4763.2	4791.2
55°	4129.8	4179.9	4293.2	4684.0	5671.1	6660.2	6244.3	5742.3	5667.1	5350.4	5400.5
57.5°	3504.5	3593.7	3699.9	4208.0	5407.5	7059.1	7489.0	6530.9	6462.8	5915.6	5916.6
60°	2568.5	2640.6	2711.8	3176.8	4782.2	7032.0	8618.4	7416.8	7292.6	6377.6	6360.6
62.5°	1868.0	1905.1	1904.1	2069.4	3284.0	6569.0	9211.7	8751.7	8462.1	6871.7	6774.5
65°	1469.1	1468.1	1511.2	1565.3	1833.9	5070.8	9284.8	10700.8	10388.2	7534.1	7331.6
67.5°	1143.4	1165.5	1208.6	1367.9	1377.9	2653.7	8641.4	11906.4	11900.4	8545.2	7984.0
70°	881.9	911.9	973.1	1205.6	1272.7	1485.2	6465.8	11524.6	11621.8	8997.2	7522.0
72.5°	566.2	564.2	654.4	974.1	1222.6	1237.6	3575.6	9154.5	9264.8	8149.4	6082.0
75°	316.7	318.7	369.8	596.3	1139.4	1164.5	1770.8	6527.9	6615.1	6353.6	4673.0
77.5°	124.3	128.3	173.4	313.7	751.6	1040.2	1052.2	4451.5	4464.5	3937.4	2866.1
80°	50.1	53.1	88.2	194.4	458.0	700.5	751.6	2622.6	2569.5	1524.3	833.8
82.5°	15.0	16.0	35.1	110.2	239.5	498.1	507.1	1006.1	950.0	327.7	212.5
85°	1.0	1.0	8.0	34.1	85.2	125.3	337.7	327.7	290.6	82.2	94.2
87.5°	0.0	0.0	1.0	1.0	2.0	4.0	36.1	60.1	61.1	15.0	42.1
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°	2687.7	2687.7	2687.7	2687.7	2687.7	2687.7	2687.7	2687.7	2687.7	2687.7	2687.7
2.5°	2696.8	2660.7	2657.7	2629.6	2601.6	2566.5	2525.4	2495.3	2474.3	2437.2	2430.2
5°	2692.7	2644.6	2599.5	2519.4	2430.2	2334.0	2249.8	2171.6	2122.5	2089.5	2075.4
7.5°	2684.7	2623.6	2519.4	2368.1	2218.7	2050.4	1919.1	1798.8	1716.7	1668.6	1647.5
10°	2678.7	2596.5	2427.2	2197.7	1966.2	1733.7	1534.3	1355.9	1256.7	1178.5	1165.5
12.5°	2666.7	2557.5	2308.9	1998.3	1699.6	1391.0	1136.4	918.0	766.6	698.5	674.4
15°	2654.7	2516.4	2190.7	1787.8	1409.0	1028.2	719.5	509.1	404.9	372.8	370.8
17.5°	2652.7	2479.3	2062.4	1588.4	1104.4	673.4	409.9	329.7	307.7	299.6	299.6
20°	2658.7	2448.2	1936.1	1358.9	804.7	409.9	305.7	285.6	272.6	265.6	265.6
22.5°	2664.7	2416.2	1814.9	1127.4	534.1	299.6	269.6	252.5	237.5	229.5	225.5
25°	2668.7	2381.1	1680.6	894.9	348.7	260.6	236.5	214.5	196.4	186.4	186.4
27.5°	2667.7	2339.0	1545.3	667.4	270.6	231.5	202.4	179.4	161.3	150.3	151.3
30°	2659.7	2292.9	1405.0	466.0	236.5	202.4	173.4	149.3	131.3	122.3	121.3
32.5°	2653.7	2243.8	1242.7	327.7	212.5	177.4	147.3	124.3	109.2	102.2	101.2
35°	2646.6	2195.7	1088.3	249.5	191.4	153.3	124.3	105.2	93.2	87.2	87.2
37.5°	2648.7	2145.6	921.0	214.5	170.4	133.3	106.2	90.2	80.2	74.2	73.2
40°	2679.7	2115.5	756.6	194.4	151.3	115.2	92.2	78.2	68.1	62.1	61.1
42.5°	2756.9	2116.5	599.3	179.4	134.3	98.2	80.2	67.1	58.1	51.1	50.1
45°	2911.2	2158.6	460.0	163.3	116.2	85.2	69.1	57.1	48.1	42.1	41.1
47.5°	3163.7	2283.9	348.7	149.3	101.2	74.2	59.1	48.1	40.1	35.1	34.1
50°	3565.6	2510.4	274.6	132.3	85.2	64.1	50.1	40.1	33.1	28.1	27.1
52.5°	4048.6	2850.1	235.5	117.3	73.2	56.1	43.1	33.1	27.1	23.0	22.0
55°	4603.8	3255.9	217.5	102.2	62.1	48.1	35.1	27.1	22.0	19.0	17.0
57.5°	5112.9	3621.7	216.5	87.2	53.1	41.1	29.1	23.0	19.0	15.0	14.0
60°	5609.0	3927.4	203.4	72.2	46.1	34.1	25.1	19.0	16.0	13.0	12.0
62.5°	6058.9	4175.9	170.4	58.1	39.1	28.1	21.0	17.0	14.0	11.0	11.0
65°	6624.1	4492.6	130.3	47.1	32.1	23.0	18.0	15.0	13.0	10.0	10.0
67.5°	7208.4	4659.9	93.2	39.1	26.1	20.0	16.0	14.0	11.0	9.0	9.0
70°	6528.9	3937.4	67.1	32.1	22.0	17.0	14.0	13.0	11.0	9.0	8.0
72.5°	5098.9	2839.1	50.1	25.1	19.0	16.0	13.0	12.0	10.0	8.0	8.0
75°	3781.1	1655.5	38.1	20.0	15.0	13.0	13.0	12.0	10.0	8.0	7.0
77.5°	2055.4	577.2	29.1	16.0	12.0	10.0	11.0	11.0	9.0	7.0	6.0
80°	544.2	158.3	20.0	12.0	10.0	8.0	8.0	10.0	8.0	6.0	6.0
82.5°	158.3	46.1	14.0	10.0	8.0	7.0	7.0	7.0	6.0	5.0	4.0
85°	77.2	17.0	10.0	8.0	7.0	6.0	5.0	5.0	4.0	3.0	3.0
87.5°	34.1	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)