

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: P635255

Luminaire Tested: GWS-SA3D-735-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635255
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-735-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10886.1 lumens
Efficiency: N/A
Efficacy: 90.1 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

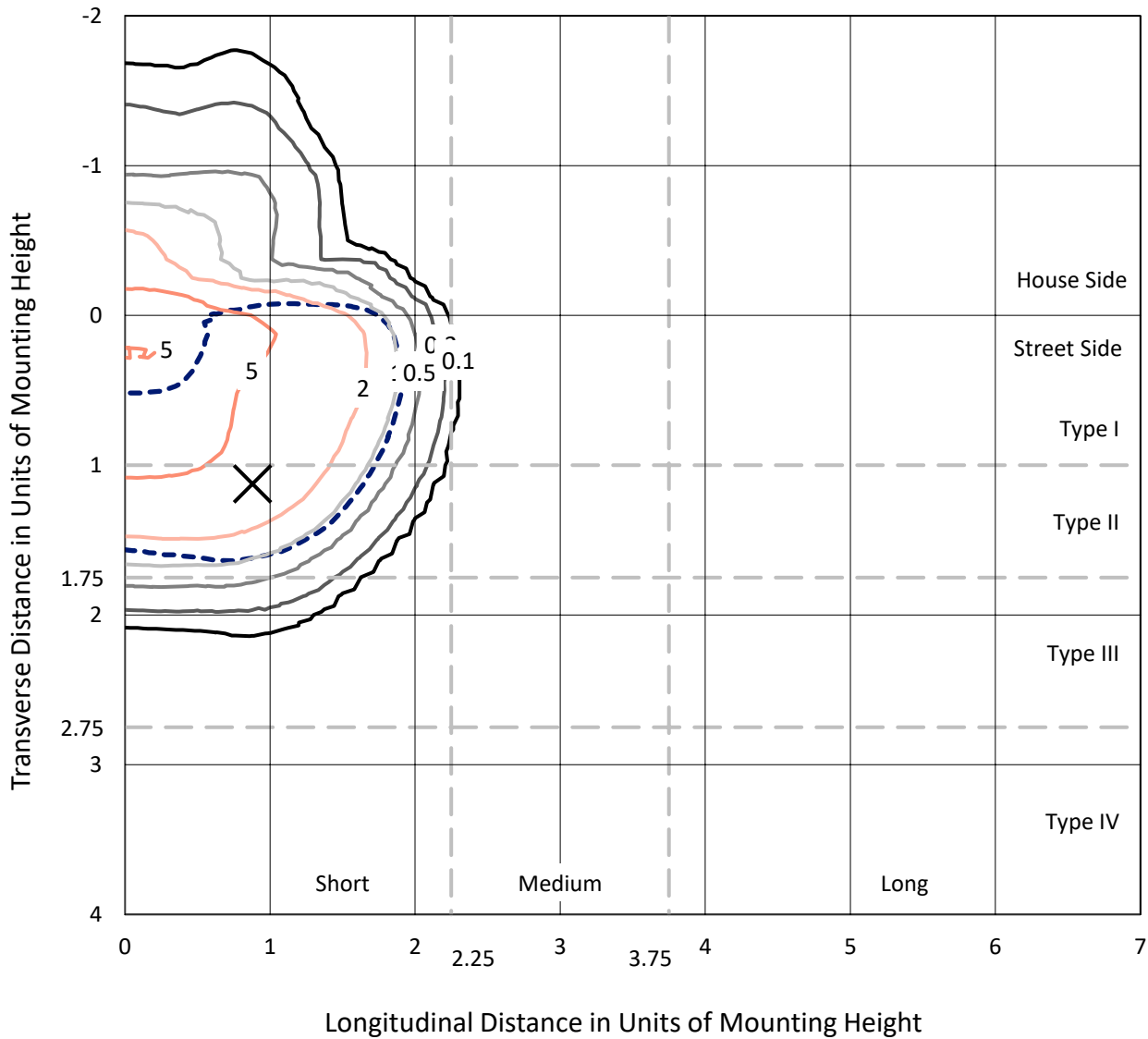
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

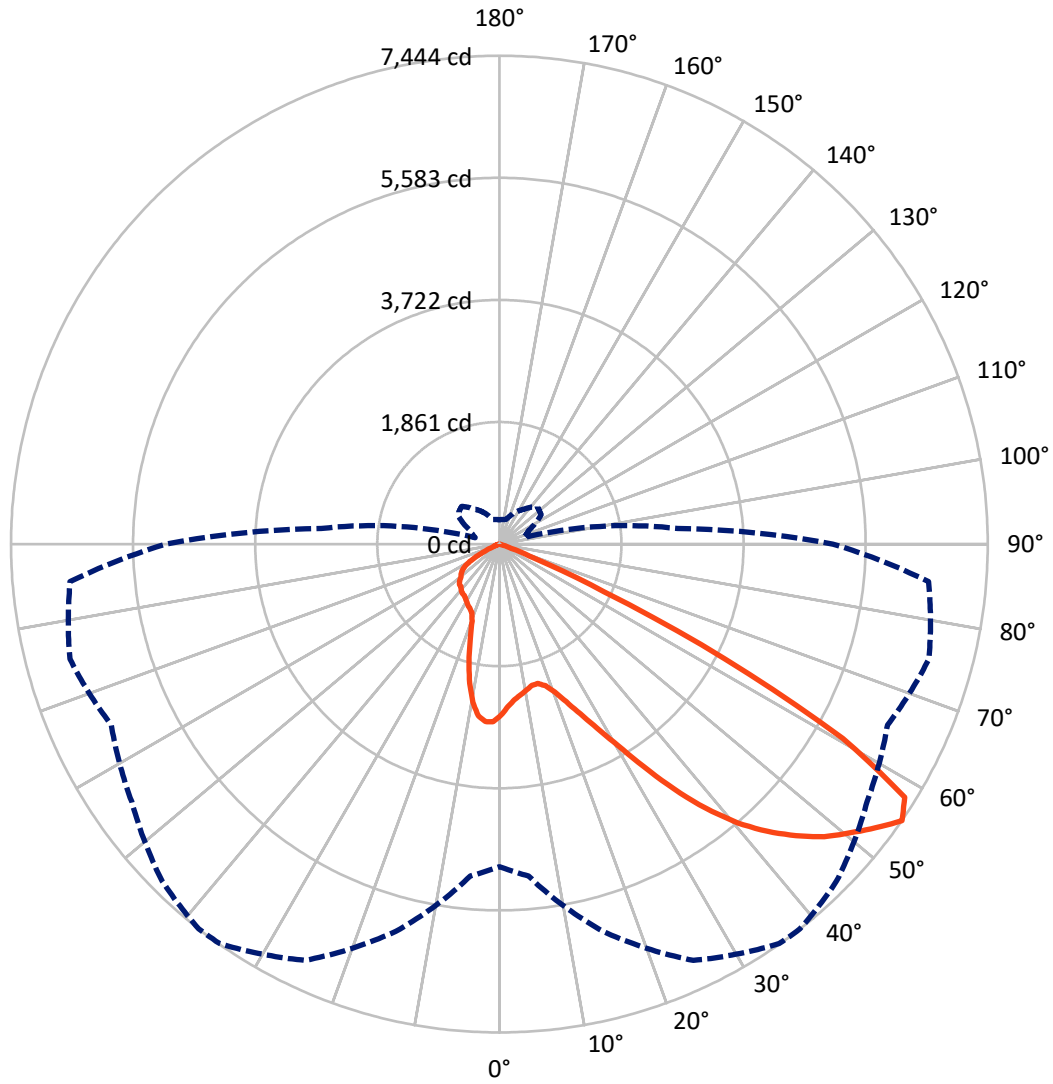
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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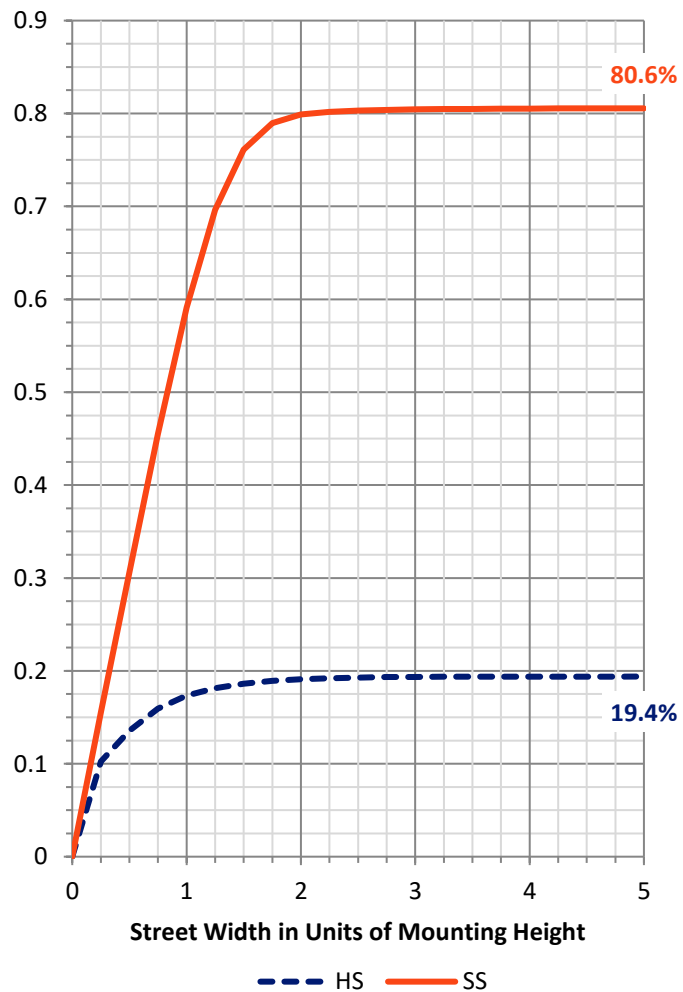
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2120.9	0.0	2120.9
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	8765.1	0.0	8765.1
	% Fixture	80.5	0.0	80.5
Total	Lumens	10886.1	0.0	10886.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.4	2.2
10°-20°	649.8	6.0
20°-30°	1115.1	10.2
30°-40°	1849.5	17.0
40°-50°	2718.9	25.0
50°-60°	3177.1	29.2
60°-70°	1076.9	9.9
70°-80°	55.1	0.5
80°-90°	2.2	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°	10886.1	100.0
0°-180°	10886.1	100.0

Coefficient of Utilization



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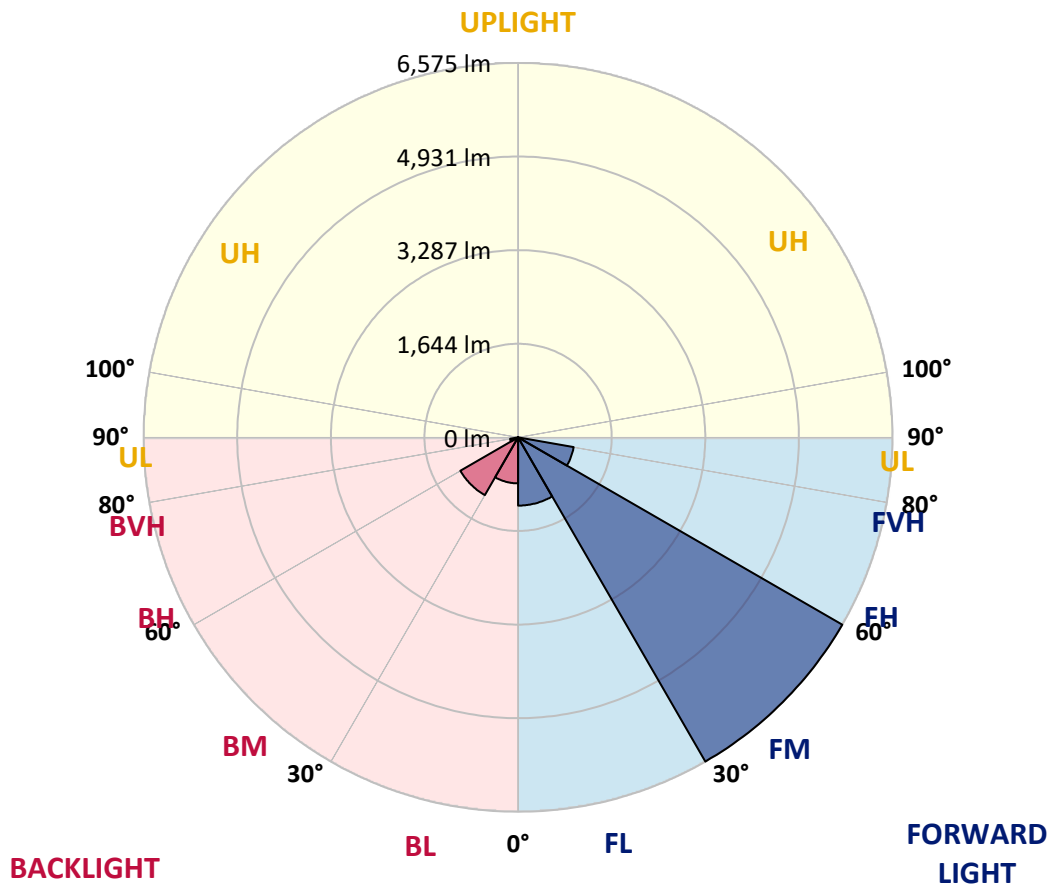
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1198.3	11.0			
FM (30°-60°)	6574.9	60.4			
FH (60°-80°)	990.8	9.1			G1/1800
FVH (80°-90°)	1.1	0.0			G0/10
BL (0°-30°)	808.1	7.4	B2/1000		
BM (30°-60°)	1170.7	10.8	B2/2500		
BH (60°-80°)	141.2	1.3	B1/500		G1/500
BVH (80°-90°)	1.0	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°	38°	45°	55°	65°	75°	85°
0°	2610.6	2610.6	2610.6	2610.6	2610.6	2610.6	2610.6	2610.6	2610.6	2610.6	2610.6
2.5°	2431.4	2426.4	2436.4	2456.3	2474.9	2481.2	2499.8	2526.0	2542.1	2580.7	2611.8
5°	2321.9	2319.4	2329.4	2346.8	2371.7	2380.4	2409.0	2452.5	2496.1	2563.3	2629.2
7.5°	2222.3	2221.1	2236.0	2274.6	2310.7	2321.9	2356.7	2410.2	2468.7	2572.0	2669.1
10°	2091.7	2092.9	2121.6	2176.3	2242.3	2264.7	2320.6	2397.8	2473.7	2606.8	2741.2
12.5°	2049.4	2051.9	2066.8	2109.1	2181.3	2209.9	2288.3	2405.3	2502.3	2656.6	2834.5
15°	2152.7	2152.7	2140.2	2145.2	2177.5	2203.7	2285.8	2430.1	2550.8	2716.3	2926.6
17.5°	2353.0	2345.5	2314.4	2272.1	2260.9	2269.6	2335.6	2483.7	2619.3	2786.0	3031.1
20°	2624.3	2626.7	2565.8	2477.4	2406.5	2405.3	2445.1	2578.2	2717.6	2869.4	3144.4
22.5°	2952.8	2942.8	2861.9	2741.2	2618.0	2608.1	2624.3	2722.6	2859.4	3001.3	3283.7
25°	3333.5	3328.5	3214.1	3052.3	2889.3	2865.7	2865.7	2962.7	3062.3	3189.2	3450.5
27.5°	3731.7	3731.7	3621.0	3434.3	3217.8	3175.5	3169.3	3283.7	3349.7	3374.6	3591.1
30°	4141.1	4136.1	4026.6	3835.0	3603.5	3560.0	3542.6	3627.2	3674.5	3599.8	3766.5
32.5°	4556.7	4565.4	4454.6	4276.7	4070.2	4041.5	3988.0	3988.0	4026.6	3922.1	4042.8
35°	5003.4	5000.9	4913.8	4793.1	4616.4	4584.1	4495.7	4357.6	4416.1	4370.0	4424.8
37.5°	5397.8	5416.5	5374.2	5284.6	5141.5	5109.2	4963.6	4713.5	4758.3	4830.4	4879.0
40°	5798.5	5813.4	5855.7	5827.1	5646.7	5587.0	5328.2	4917.5	4967.3	5214.9	5354.3
42.5°	6191.7	6199.2	6285.0	6332.3	6090.9	5986.4	5604.4	5042.0	5094.2	5516.0	5759.9
45°	6441.8	6458.0	6599.8	6744.2	6482.9	6339.8	5844.5	5201.2	5223.6	5725.1	6059.8
47.5°	6431.9	6469.2	6735.5	6998.0	6820.1	6665.8	6133.2	5456.3	5419.0	5921.7	6257.7
50°	6231.5	6276.3	6658.3	7075.2	7062.7	6919.6	6454.3	5825.9	5708.9	6095.9	6282.5
52.5°	5815.9	5945.3	6522.7	7085.1	7258.1	7185.9	6851.2	6323.6	6100.9	6346.0	6322.4
55°	4917.5	5076.8	6110.8	7000.5	7434.8	7443.5	7268.0	6842.5	6526.4	6776.5	6567.5
57.5°	3732.9	3859.9	4703.5	6231.5	7142.4	7285.5	7429.8	7116.2	6789.0	7070.2	6624.7
60°	2249.7	2396.5	2945.3	4572.9	5768.6	6012.5	6578.7	6517.7	6123.3	6244.0	5432.7
62.5°	912.1	989.2	1360.0	2519.7	3630.9	3858.6	4401.1	4493.2	4396.2	4273.0	3294.9
65°	333.5	364.6	545.0	1041.5	1669.9	1753.2	2039.4	2202.4	2336.8	1989.7	1225.6
67.5°	206.6	226.5	354.6	535.1	607.2	564.9	574.9	685.6	654.5	404.4	219.0
70°	153.1	169.2	277.5	370.8	245.1	189.1	128.2	136.9	123.2	108.3	107.0
72.5°	105.8	120.7	207.8	219.0	94.6	67.2	47.3	65.9	74.7	73.4	75.9
75°	69.7	80.9	130.7	85.9	23.6	18.7	16.2	34.8	44.8	44.8	46.0
77.5°	41.1	47.3	46.0	17.4	5.0	5.0	3.7	6.2	10.0	11.2	13.7
80°	5.0	3.7	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7	3.7
82.5°	1.2	1.2	1.2	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7
85°	0.0	0.0	1.2	1.2	2.5	2.5	2.5	2.5	2.5	3.7	3.7
87.5°	0.0	0.0	1.2	1.2	2.5	2.5	2.5	2.5	2.5	3.7	3.7
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°	2610.6	2610.6	2610.6	2610.6	2610.6	2610.6	2610.6	2610.6	2610.6	2610.6	2610.6
2.5°	2635.5	2626.7	2662.8	2689.0	2710.1	2720.1	2706.4	2705.1	2705.1	2677.8	2670.3
5°	2666.6	2670.3	2721.3	2743.7	2747.4	2735.0	2703.9	2682.7	2670.3	2641.7	2625.5
7.5°	2726.3	2738.7	2787.3	2783.5	2749.9	2692.7	2610.6	2547.1	2506.0	2461.3	2433.9
10°	2812.1	2835.8	2865.7	2813.4	2706.4	2560.8	2391.6	2270.9	2198.7	2147.7	2116.6
12.5°	2916.7	2940.3	2930.4	2807.2	2584.4	2324.4	2106.6	1932.4	1849.1	1803.0	1770.7
15°	3022.4	3037.4	2972.7	2732.5	2369.2	2019.5	1776.9	1603.9	1501.9	1464.6	1437.2
17.5°	3130.7	3127.0	2980.1	2585.7	2081.7	1676.1	1437.2	1319.0	1290.4	1284.1	1281.6
20°	3243.9	3210.3	2950.3	2375.4	1735.8	1336.4	1200.8	1208.2	1260.5	1285.4	1290.4
22.5°	3373.3	3288.7	2875.6	2090.4	1382.4	1113.7	1127.3	1200.8	1271.7	1305.3	1310.3
25°	3511.5	3360.9	2751.2	1724.6	1090.0	1024.1	1105.0	1189.6	1265.5	1306.5	1311.5
27.5°	3602.3	3378.3	2547.1	1356.3	935.7	989.2	1075.1	1156.0	1234.4	1279.2	1285.4
30°	3700.6	3370.8	2269.6	1045.2	883.5	959.4	1034.0	1107.4	1179.6	1229.4	1234.4
32.5°	3844.9	3365.9	1931.2	848.6	862.3	935.7	990.5	1051.4	1101.2	1129.8	1126.1
35°	4034.1	3359.6	1536.7	765.3	849.9	917.1	960.6	989.2	934.5	917.1	920.8
37.5°	4276.7	3374.6	1204.5	730.4	846.1	912.1	949.4	867.3	782.7	750.3	745.3
40°	4545.5	3413.2	918.3	716.7	858.6	924.5	907.1	771.5	667.0	603.5	589.8
42.5°	4815.5	3455.5	726.7	711.7	879.7	959.4	837.4	701.8	545.0	508.9	503.9
45°	5015.8	3448.0	628.4	703.0	898.4	979.3	818.8	602.2	486.5	470.4	471.6
47.5°	5116.6	3365.9	574.9	683.1	905.9	959.4	772.7	561.2	446.7	464.1	479.1
50°	5063.1	3153.1	525.1	644.6	889.7	933.2	699.3	530.1	426.8	499.0	532.6
52.5°	4998.4	2891.8	470.4	584.8	851.1	897.2	670.7	521.4	414.4	481.5	506.4
55°	5084.3	2726.3	380.8	492.7	775.2	812.5	648.3	520.1	385.7	374.5	370.8
57.5°	4963.6	2396.5	272.5	354.6	594.8	643.3	632.1	511.4	342.2	340.9	345.9
60°	3836.2	1462.1	186.6	225.2	364.6	410.6	573.6	489.0	294.9	271.3	272.5
62.5°	2180.0	622.2	128.2	139.4	186.6	221.5	438.0	444.2	272.5	258.8	272.5
65°	759.0	222.7	99.5	93.3	103.3	118.2	251.4	343.4	247.6	224.0	226.5
67.5°	156.8	110.7	88.3	77.1	77.1	77.1	128.2	214.0	204.1	177.9	180.4
70°	99.5	94.6	77.1	65.9	63.5	58.5	73.4	118.2	140.6	129.4	130.7
72.5°	73.4	72.2	61.0	53.5	47.3	42.3	46.0	58.5	72.2	74.7	75.9
75°	44.8	46.0	39.8	33.6	29.9	26.1	27.4	27.4	27.4	24.9	27.4
77.5°	13.7	14.9	12.4	10.0	8.7	8.7	8.7	7.5	6.2	3.7	3.7
80°	3.7	3.7	3.7	3.7	3.7	2.5	2.5	1.2	1.2	0.0	0.0
82.5°	3.7	3.7	3.7	3.7	2.5	2.5	1.2	1.2	0.0	0.0	0.0
85°	3.7	3.7	3.7	3.7	2.5	2.5	1.2	1.2	0.0	0.0	0.0
87.5°	3.7	3.7	3.7	3.7	2.5	2.5	1.2	1.2	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)