

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P383314

Luminaire Tested: **GLEON-SA6B-735-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA6B-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22650.6 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G4

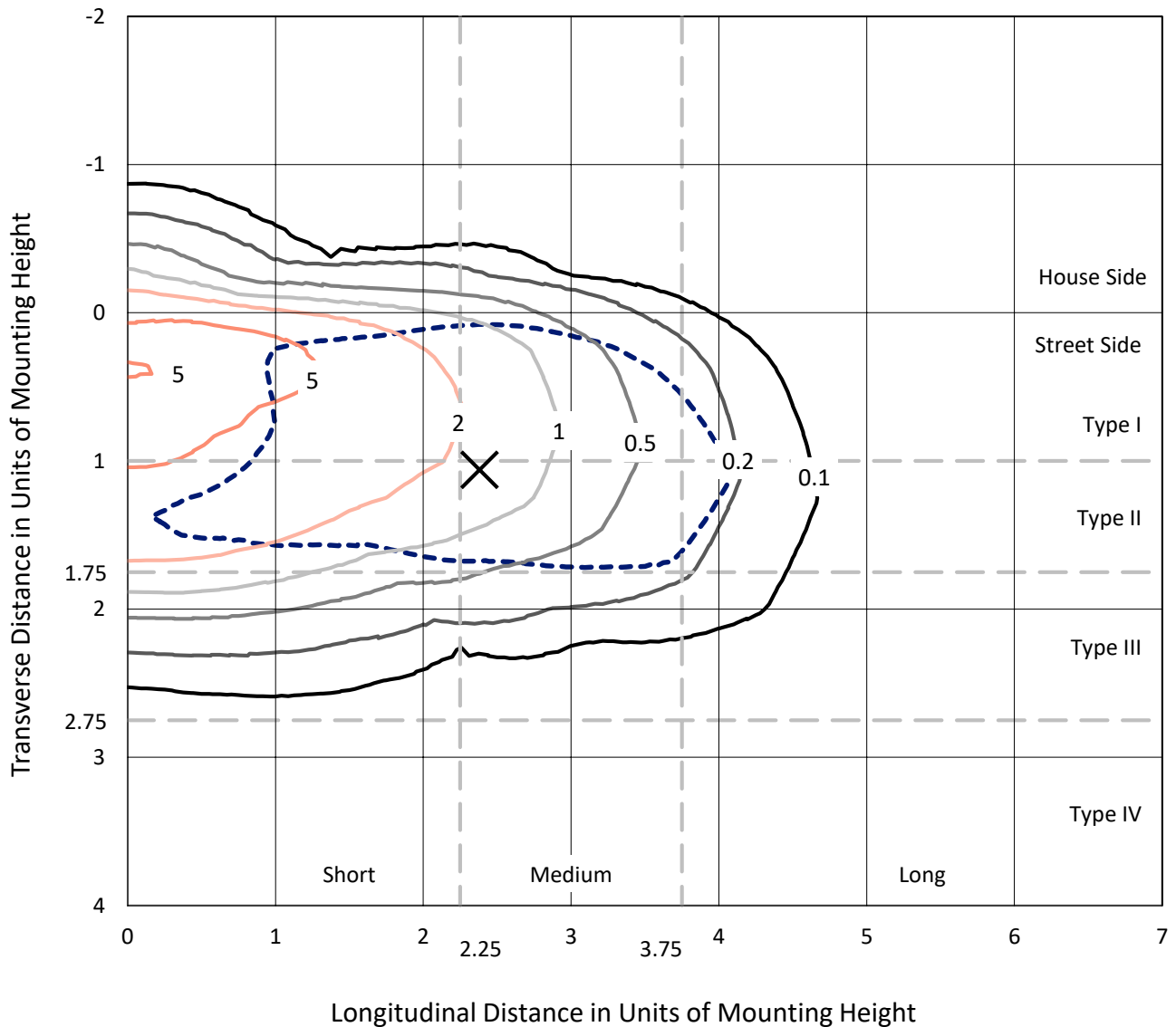
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

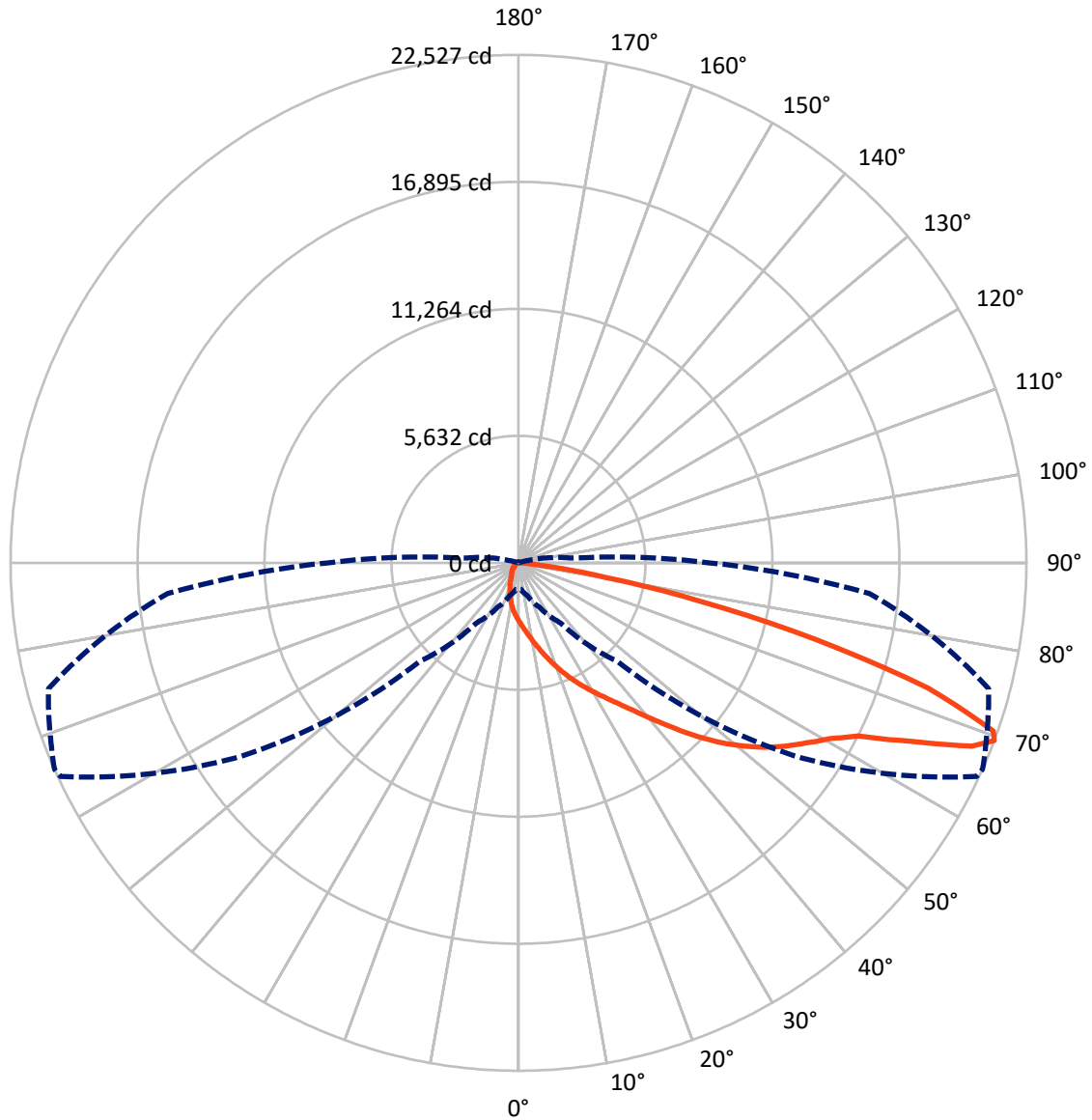
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1358.7	0.0	1358.7
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	21291.9	0.0	21291.9
	% Fixture	94.0	0.0	94.0
Total	Lumens	22650.6	0.0	22650.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.2	1.1
10°-20°	741.6	3.3
20°-30°	1291.4	5.7
30°-40°	2265.7	10.0
40°-50°	3792.4	16.7
50°-60°	5574.5	24.6
60°-70°	5723.6	25.3
70°-80°	2825.6	12.5
80°-90°	186.8	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°	22650.6	100.0
0°-180°	22650.6	100.0

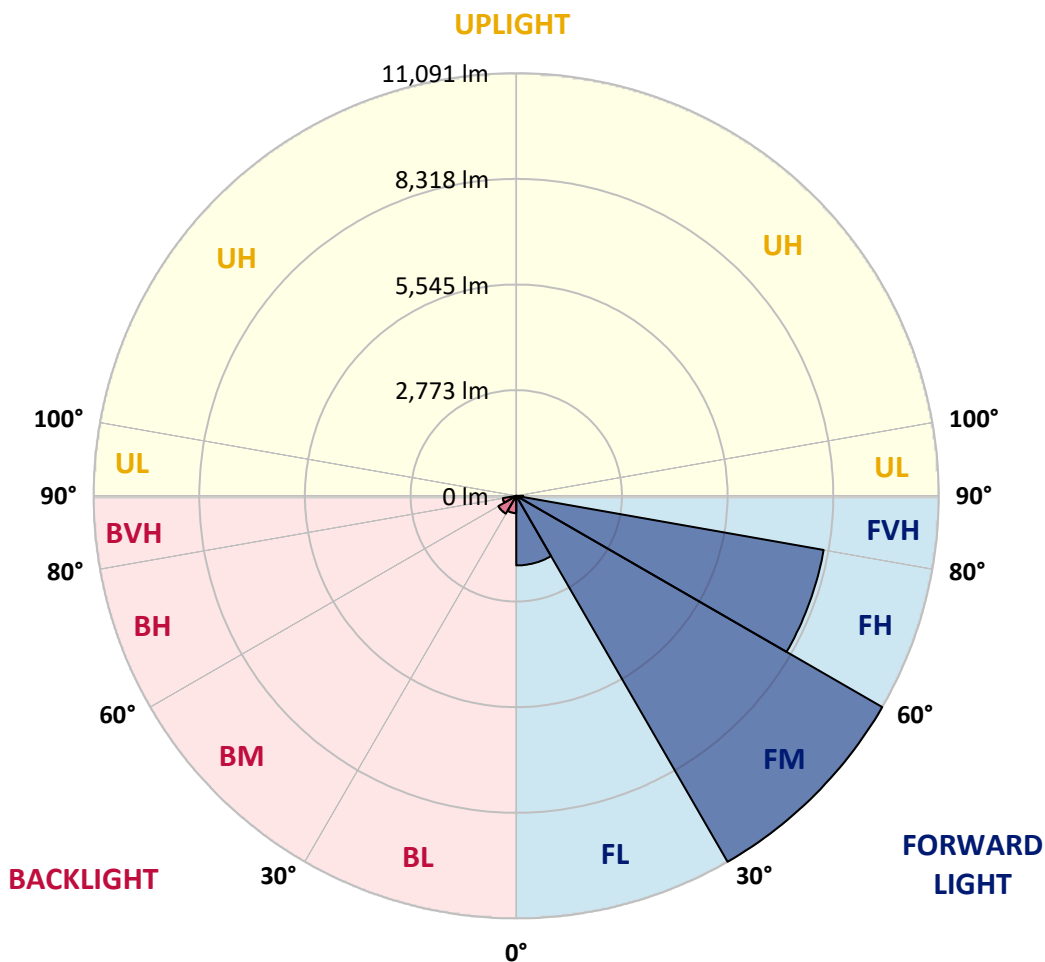


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1827.7	8.1			
FM (30°-60°)	11090.8	49.0			
FH (60°-80°)	8191.1	36.2			G4/12000
FVH (80°-90°)	182.3	0.8			G2/225
BL (0°-30°)	454.4	2.0	B1/500		
BM (30°-60°)	541.7	2.4	B1/1000		
BH (60°-80°)	358.1	1.6	B1/500		G1/500
BVH (80°-90°)	4.5	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-G4
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2577.7	2577.7	2577.7	2577.7	2577.7	2577.7	2577.7	2577.7	2577.7	2577.7	2577.7
2.5°	3033.9	3020.9	3015.6	2991.9	2951.0	2919.8	2859.6	2789.6	2776.8	2708.9	2626.1
5°	3427.6	3416.8	3409.4	3376.0	3334.0	3255.5	3145.7	3015.6	2990.8	2861.7	2696.1
7.5°	3702.0	3721.3	3721.3	3699.8	3647.1	3587.9	3453.4	3276.0	3244.8	3046.8	2789.6
10°	3862.3	3886.0	3904.2	3922.5	3915.0	3891.4	3764.4	3564.3	3526.6	3264.0	2898.3
12.5°	3877.3	3900.9	3952.6	4029.0	4103.3	4157.0	4077.4	3883.8	3840.8	3515.8	3027.4
15°	3793.4	3818.1	3897.8	4046.3	4225.9	4382.9	4408.8	4237.7	4193.6	3816.0	3188.8
17.5°	3647.1	3663.2	3777.2	3982.7	4264.6	4552.9	4709.0	4617.5	4576.6	4159.2	3368.5
20°	3538.4	3550.2	3650.4	3870.9	4241.0	4659.4	4993.0	5020.9	4977.9	4527.1	3563.2
22.5°	3724.5	3746.0	3749.3	3853.6	4176.4	4712.1	5242.6	5417.9	5385.6	4917.6	3754.7
25°	4233.4	4258.2	4176.4	4111.9	4231.3	4735.8	5456.6	5824.6	5798.8	5338.3	3947.2
27.5°	4905.8	4931.6	4826.3	4633.6	4518.6	4825.1	5647.0	6237.7	6236.6	5783.7	4154.9
30°	5566.4	5592.2	5484.6	5292.0	5027.4	5078.0	5811.6	6670.2	6676.7	6243.0	4375.5
32.5°	6259.3	6291.5	6180.7	5933.2	5656.7	5514.8	6042.9	7104.8	7141.4	6775.6	4623.9
35°	7046.8	7051.1	6895.0	6635.8	6317.3	6098.9	6414.2	7592.2	7679.3	7435.1	4939.2
37.5°	7819.2	7850.4	7722.3	7313.6	7020.9	6773.5	6966.0	8201.2	8324.9	8240.9	5351.2
40°	8391.6	8457.1	8438.9	7997.8	7720.2	7543.8	7651.4	8925.2	9082.2	9179.1	5870.9
42.5°	8750.9	8800.3	8884.3	8618.6	8366.8	8395.9	8460.4	9768.6	9962.2	10248.4	6467.9
45°	9162.9	9186.5	9256.5	9139.2	8969.2	9261.9	9318.9	10718.6	10921.9	11398.5	7130.6
47.5°	9666.4	9722.4	9741.8	9634.2	9556.7	10027.9	10146.2	11582.5	11867.5	12630.4	7832.1
50°	10307.6	10322.7	10356.0	10286.1	10208.6	10686.3	10888.6	12489.4	12748.7	13866.5	8523.8
52.5°	10934.8	10988.6	11104.8	11060.7	11029.5	11246.9	11550.2	13307.1	13596.4	14897.1	9214.6
55°	11115.6	11161.8	11563.1	11837.5	12091.3	11937.5	12182.8	14039.7	14352.7	15818.1	9879.4
57.5°	10393.6	10487.3	11182.3	11896.6	12949.9	13011.2	13052.1	14791.7	15072.5	16523.8	10571.2
60°	8569.0	8587.4	9727.7	10953.1	12807.8	13948.2	14321.5	15599.7	15835.3	17181.2	11399.6
62.5°	5450.2	5636.3	6887.5	8617.5	11306.0	13812.7	15856.8	16821.8	16907.9	17969.7	12587.4
65°	2596.0	2716.5	3618.0	5324.4	8189.3	12077.3	16916.4	19032.6	19071.4	19532.9	14174.1
67.5°	1437.3	1495.4	1924.7	2866.0	4787.5	8541.1	16488.3	21651.2	21687.8	21129.5	15566.3
69°	1124.3	1173.7	1511.5	2160.3	3245.8	6138.7	14920.8	22418.3	22527.0	21586.7	15615.8
70°	954.3	1002.7	1301.7	1824.6	2610.0	4743.3	13281.3	22227.9	22343.0	21543.6	15246.8
72.5°	584.2	612.1	867.1	1284.5	1749.4	2386.3	8190.4	18798.2	18992.9	19762.0	13103.7
75°	393.8	408.9	542.3	886.5	1251.2	1228.6	4254.9	13250.1	13671.8	15372.7	9678.2
77.5°	281.9	295.9	363.7	573.5	876.8	811.2	1926.8	8234.5	8324.9	9219.9	5278.1
80°	160.3	173.2	257.1	341.0	595.0	541.1	766.0	3933.3	3978.5	3953.7	1762.2
82.5°	83.9	94.6	140.9	224.9	381.9	354.0	318.4	1316.8	1323.3	1100.6	386.2
85°	16.1	19.4	70.0	153.8	196.8	153.8	130.1	308.8	315.2	278.6	95.8
87.5°	0.0	1.1	27.9	34.5	38.8	39.8	41.9	60.3	64.6	87.1	25.8
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°	2577.7	2577.7	2577.7	2577.7	2577.7	2577.7	2577.7	2577.7	2577.7	2577.7	2577.7
2.5°	2589.5	2550.9	2476.6	2390.5	2323.8	2258.2	2206.6	2152.7	2133.4	2123.7	2122.6
5°	2615.3	2533.6	2376.6	2215.1	2082.8	1958.0	1868.8	1783.7	1744.0	1725.6	1718.1
7.5°	2658.4	2527.1	2274.3	2028.0	1837.6	1681.5	1557.8	1465.3	1419.0	1399.7	1392.1
10°	2708.9	2518.5	2154.9	1830.0	1586.9	1425.5	1302.9	1211.4	1160.8	1139.3	1128.6
12.5°	2768.1	2503.4	2017.2	1629.9	1372.7	1211.4	1062.9	950.0	891.9	867.1	855.3
15°	2841.3	2488.4	1873.1	1441.7	1184.5	987.6	825.2	748.8	736.9	732.7	733.7
17.5°	2913.4	2464.8	1716.0	1255.5	986.5	771.4	688.5	684.2	686.4	686.4	686.4
20°	2977.9	2410.9	1544.9	1096.2	798.2	650.9	633.6	626.1	620.8	616.5	611.1
22.5°	3028.5	2338.8	1380.3	938.2	652.0	596.0	569.1	545.4	526.0	513.2	506.8
25°	3062.9	2243.2	1229.6	786.4	586.3	542.3	493.8	454.0	423.9	405.6	398.1
27.5°	3088.7	2139.9	1095.2	658.4	541.1	479.8	416.3	369.0	337.8	321.7	315.2
30°	3107.0	2022.6	976.8	578.8	490.6	414.2	346.4	300.1	277.6	268.9	264.7
32.5°	3124.2	1892.4	864.9	541.1	443.2	354.0	290.5	255.0	241.0	230.2	227.0
35°	3167.3	1771.9	758.5	501.4	394.8	302.3	249.6	223.8	209.8	203.4	201.2
37.5°	3269.5	1682.7	656.3	460.5	346.4	261.4	218.4	200.1	187.2	180.7	178.6
40°	3434.1	1637.4	570.2	416.3	299.1	230.2	198.0	180.7	166.7	157.1	154.9
42.5°	3676.2	1643.9	509.9	372.2	261.4	205.5	178.6	158.2	143.1	134.5	132.4
45°	3969.9	1691.2	468.0	329.2	230.2	186.1	157.1	135.5	121.6	114.0	111.9
47.5°	4288.3	1767.6	433.5	290.5	205.5	167.9	135.5	113.0	101.2	94.6	93.6
50°	4623.9	1841.9	398.1	252.8	184.0	149.5	114.0	93.6	83.9	78.5	76.4
52.5°	4963.9	1927.9	365.8	218.4	165.7	128.0	94.6	76.4	68.8	64.6	62.4
55°	5329.7	1992.5	334.6	191.5	147.4	108.6	78.5	63.4	57.0	51.6	50.6
57.5°	5760.0	2092.5	302.3	165.7	125.9	90.4	64.6	50.6	45.2	39.8	38.8
60°	6341.0	2209.8	267.9	146.3	103.3	74.2	52.7	40.9	34.5	30.1	29.1
62.5°	7107.0	2340.0	224.9	128.0	83.9	60.3	41.9	32.2	24.8	19.4	19.4
65°	8078.5	2551.9	184.0	107.6	68.8	49.5	32.2	23.7	14.0	8.6	8.6
67.5°	8645.4	2588.5	148.5	88.2	56.0	41.9	26.9	16.1	4.3	1.1	0.0
69°	8463.6	2376.6	125.9	75.3	48.4	39.8	24.8	11.8	2.1	0.0	0.0
70°	8121.5	2173.2	110.9	66.7	44.2	37.6	23.7	8.6	2.1	0.0	0.0
72.5°	6711.1	1547.0	83.9	49.5	32.2	33.3	21.5	5.4	2.1	0.0	0.0
75°	4888.6	940.3	60.3	34.5	20.4	24.8	15.1	2.1	1.1	0.0	0.0
77.5°	2719.7	443.2	37.6	19.4	12.9	15.1	7.5	0.0	0.0	0.0	0.0
80°	883.3	120.4	17.2	10.7	7.5	8.6	3.3	0.0	0.0	0.0	0.0
82.5°	163.5	34.5	9.7	5.4	2.1	2.1	0.0	0.0	0.0	0.0	0.0
85°	35.5	14.0	5.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.8	4.3	1.1	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)