

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: P323650

Luminaire Tested: **GLEON-SA6C-827-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323650
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA6C-827-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26568 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

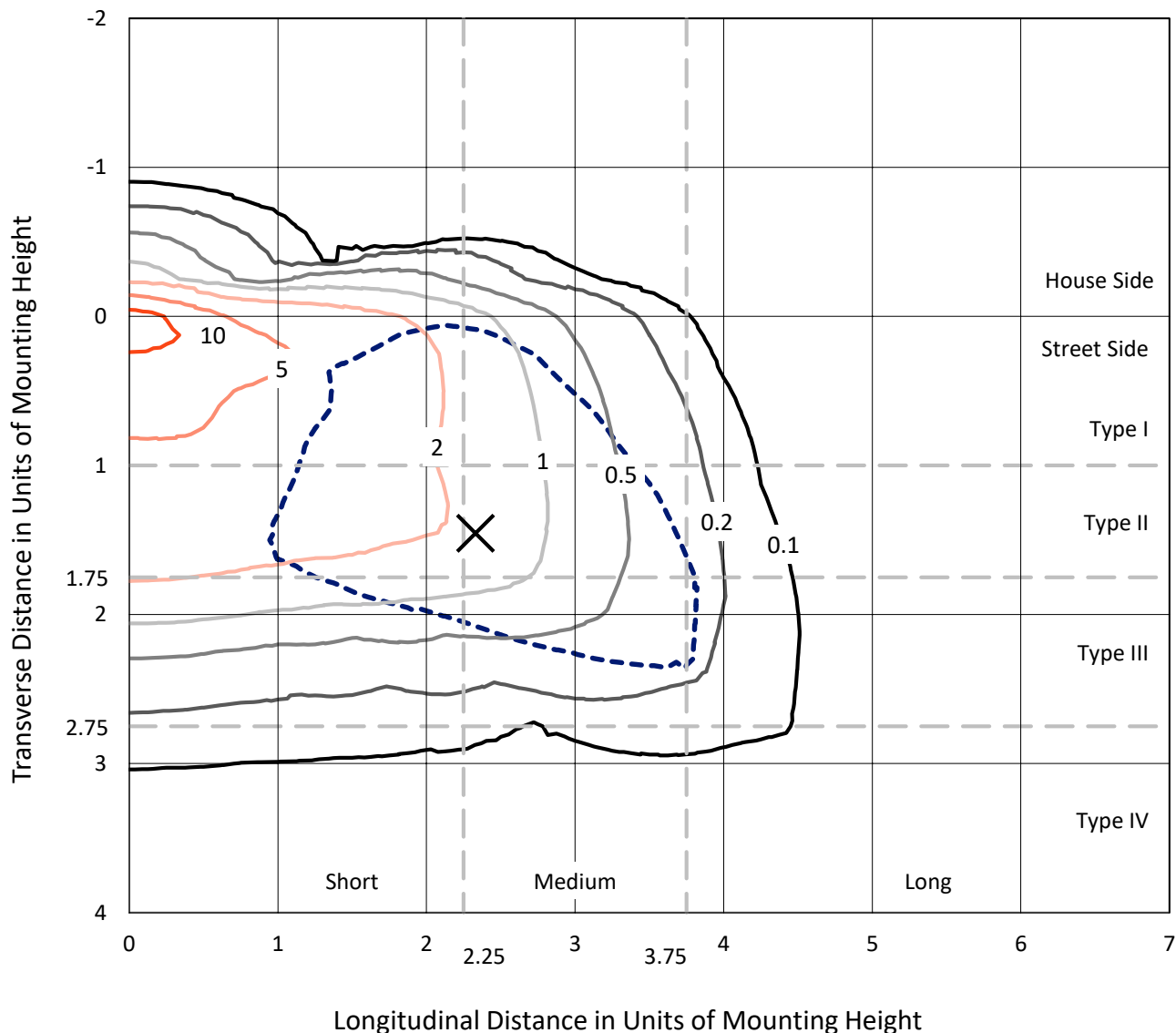
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

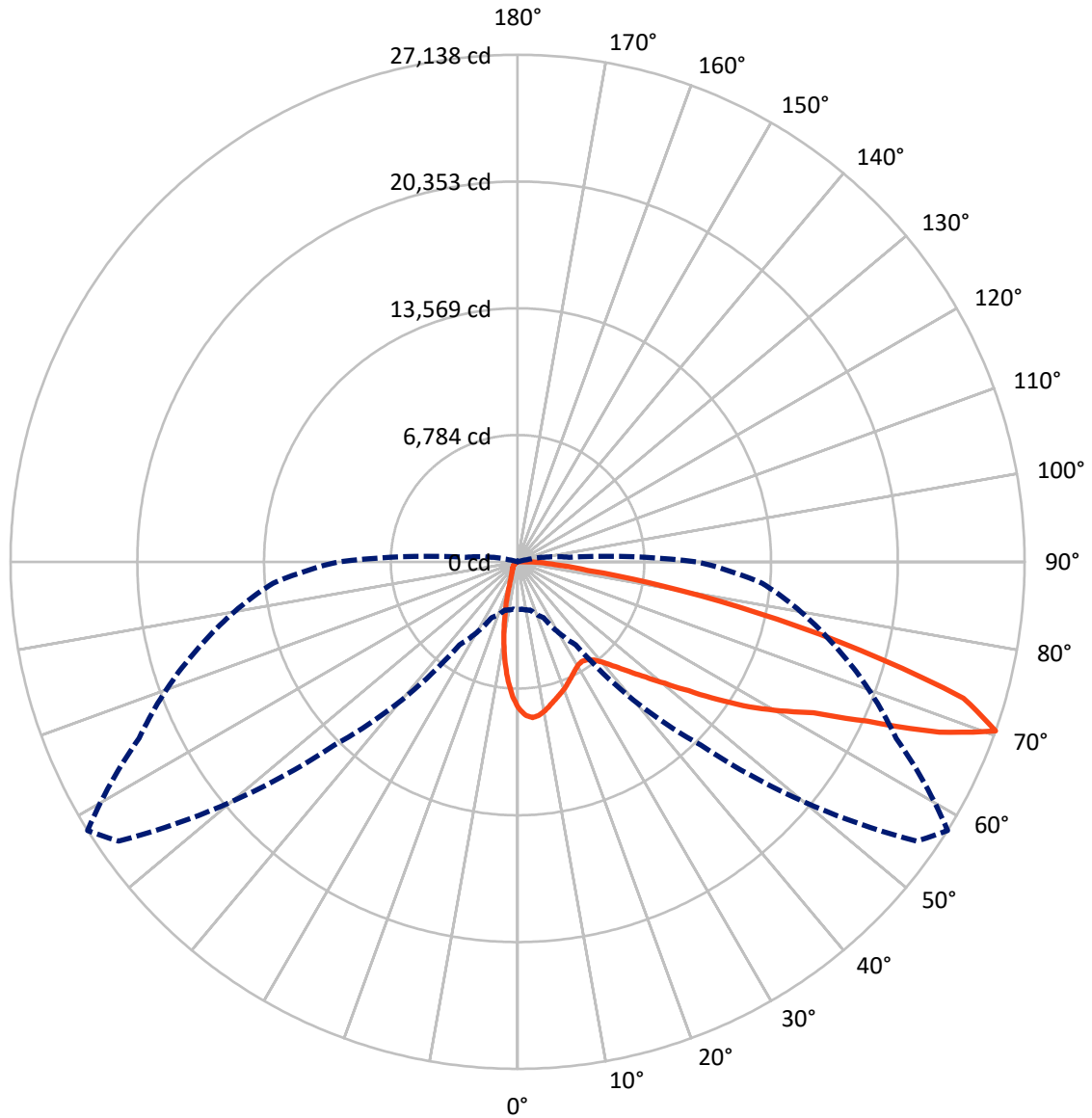
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2273.6	0.0	2273.6
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	24294.4	0.0	24294.4
	% Fixture	91.4	0.0	91.4
Total	Lumens	26568.0	0.0	26568.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	641.8	2.4
10°-20°	1346.9	5.1
20°-30°	1770.7	6.7
30°-40°	2345.2	8.8
40°-50°	3505.3	13.2
50°-60°	5615.3	21.1
60°-70°	7078.1	26.6
70°-80°	3817.9	14.4
80°-90°	446.9	1.7
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°	26568.0	100.0
0°-180°	26568.0	100.0

Coefficient of Utilization

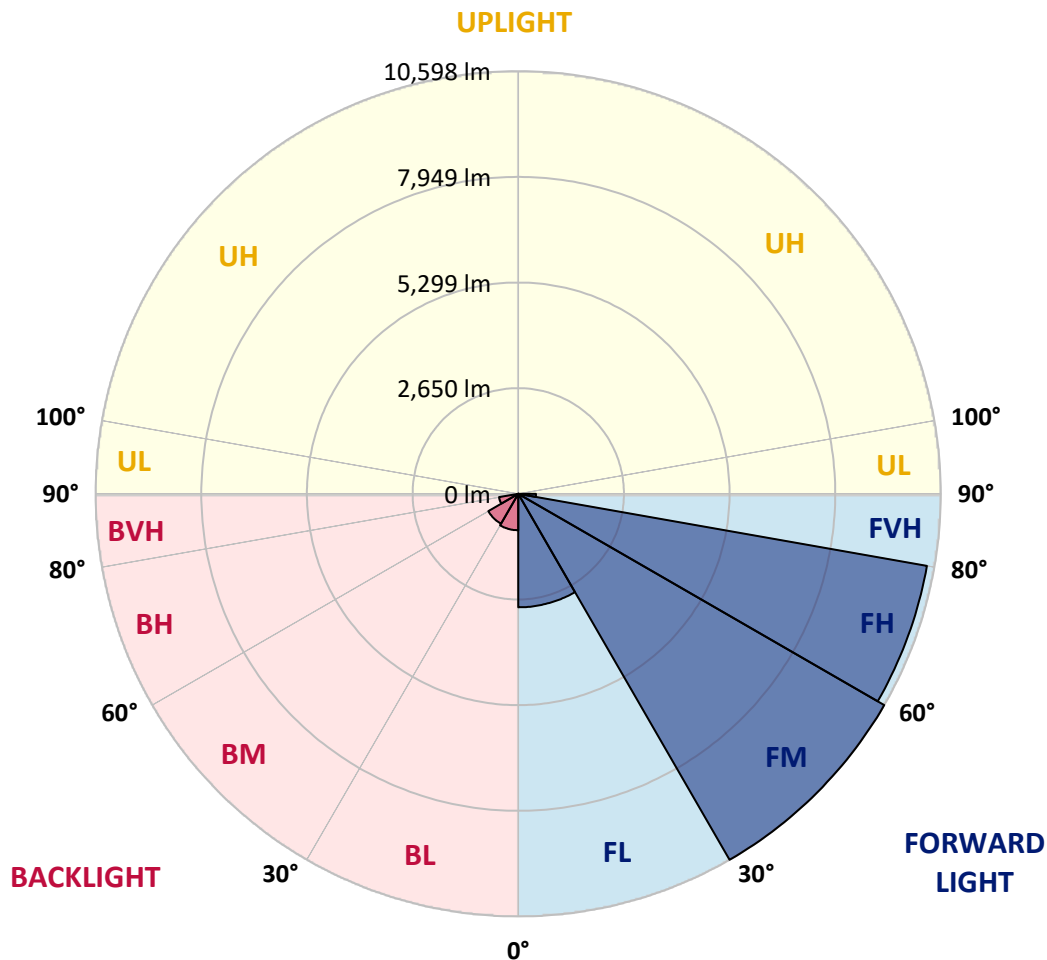


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2846.0	10.7			
FM (30°-60°)	10598.4	39.9			
FH (60°-80°)	10407.0	39.2			G4/12000
FVH (80°-90°)	443.0	1.7			G3/500
BL (0°-30°)	913.5	3.4	B2/1000		
BM (30°-60°)	867.4	3.3	B1/1000		
BH (60°-80°)	489.0	1.8	B1/500		G1/500
BVH (80°-90°)	3.9	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-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	7848.1	7848.1	7848.1	7848.1	7848.1	7848.1	7848.1	7848.1	7848.1	7848.1	7848.1
2.5°	8498.8	8477.8	8470.0	8456.8	8406.0	8356.2	8257.9	8230.3	8168.4	8021.5	7865.7
5°	8505.4	8504.3	8527.5	8522.0	8504.3	8481.1	8410.4	8373.9	8269.0	8059.1	7774.0
7.5°	8095.5	8116.5	8168.4	8210.4	8259.0	8322.0	8330.8	8295.5	8209.3	7982.8	7605.0
10°	7545.4	7578.5	7651.4	7734.3	7861.3	7987.3	8099.9	8095.5	8065.7	7842.5	7401.7
12.5°	6994.1	7032.8	7116.7	7239.4	7419.4	7624.9	7826.0	7853.6	7903.3	7716.6	7213.9
15°	6511.3	6544.5	6627.3	6777.6	7000.7	7276.9	7571.9	7622.7	7750.8	7618.3	7057.1
17.5°	6101.5	6122.5	6183.2	6350.0	6608.5	6943.3	7326.6	7426.1	7617.2	7540.9	6921.2
20°	5815.3	5818.7	5858.4	5975.5	6234.0	6608.5	7072.5	7215.0	7475.8	7474.7	6780.9
22.5°	5673.9	5662.9	5670.6	5738.0	5928.0	6289.3	6818.4	6987.5	7348.7	7418.3	6638.4
25°	5647.4	5638.6	5616.5	5625.3	5740.2	6009.8	6562.1	6757.7	7237.1	7384.1	6514.6
27.5°	5730.3	5739.1	5701.6	5661.8	5670.6	5828.6	6334.6	6561.0	7146.6	7384.1	6427.4
30°	5897.1	5901.5	5873.9	5822.0	5752.4	5777.8	6176.6	6403.1	7101.3	7434.9	6372.1
32.5°	6081.6	6105.9	6102.6	6060.6	5961.2	5858.4	6139.0	6345.6	7097.9	7547.6	6366.6
35°	6310.3	6337.9	6384.3	6375.4	6271.6	6102.6	6267.2	6429.6	7163.1	7733.2	6426.3
37.5°	6553.3	6595.3	6694.7	6742.2	6674.8	6483.7	6554.4	6670.4	7337.7	8033.7	6577.6
40°	6788.6	6836.1	7017.3	7204.0	7153.2	6956.5	6989.7	7082.5	7648.1	8465.6	6864.8
42.5°	7019.5	7090.2	7356.5	7663.6	7724.3	7567.5	7585.1	7659.2	8108.8	9060.0	7334.4
45°	7295.7	7375.2	7769.6	8148.6	8310.9	8242.5	8317.6	8366.2	8710.9	9845.4	7967.4
47.5°	7701.1	7792.8	8276.7	8708.7	8993.7	9037.9	9189.2	9221.3	9472.0	10760.2	8792.6
50°	8492.1	8517.5	8955.0	9347.2	9758.2	10023.3	10195.6	10219.9	10393.4	11759.9	9823.3
52.5°	9487.5	9504.1	9751.5	10014.5	10481.8	11023.1	11426.3	11460.6	11497.0	12734.3	10840.8
55°	10476.2	10474.0	10637.5	10792.2	11326.9	12113.5	12988.4	13009.4	12747.6	13659.0	11618.5
57.5°	11093.8	11153.4	11402.0	11600.9	12347.7	13356.3	14570.4	14647.7	14061.1	14343.9	12387.4
60°	10897.1	10925.9	11477.1	12212.9	13619.2	15122.8	16171.2	16191.0	15048.7	15027.8	13359.6
62.5°	9284.2	9299.7	10165.8	11682.6	14263.3	17414.0	18102.2	17778.6	16184.4	15976.7	14522.9
65°	6363.3	6463.8	7187.4	9062.2	13080.1	18851.3	21091.7	20555.9	17915.5	17344.4	15574.6
67.5°	3747.3	3726.3	4084.2	5465.1	9606.8	17896.8	24873.2	24340.7	20276.4	18260.2	15266.4
70°	2559.7	2545.3	2682.3	3308.7	5423.2	13883.2	26063.0	27137.9	22361.0	17643.8	13138.7
72.5°	1827.2	1835.0	2037.1	2570.7	3404.8	8088.9	22412.9	24957.1	21708.1	15381.3	9986.8
75°	1240.6	1261.6	1551.1	2108.9	2985.0	4115.2	15904.9	18971.7	17676.9	11178.8	5740.2
77.5°	667.3	690.5	1031.8	1699.1	2698.9	2859.1	10231.0	13056.9	11103.7	5025.5	1663.7
80°	278.4	291.7	482.8	1235.1	2332.1	2511.1	6019.7	7917.7	4731.6	991.0	371.2
82.5°	120.4	127.0	201.1	736.9	1743.3	2120.0	3187.2	3809.1	1434.0	217.6	186.7
85°	23.2	24.3	82.9	390.0	1112.5	1196.4	2065.9	2025.0	644.1	93.9	135.9
87.5°	0.0	0.0	19.9	122.6	327.0	651.8	1260.5	1245.0	218.7	45.3	50.8
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°	7848.1	7848.1	7848.1	7848.1	7848.1	7848.1	7848.1	7848.1	7848.1	7848.1	7848.1
2.5°	7786.2	7710.0	7549.8	7352.0	7200.7	7033.9	6901.3	6733.4	6660.5	6663.8	6624.0
5°	7611.6	7454.8	7100.2	6652.7	6308.1	5952.3	5646.3	5341.4	5161.3	5102.8	5047.5
7.5°	7362.0	7113.4	6547.8	5858.4	5275.1	4705.1	4209.1	3772.7	3496.5	3361.7	3312.0
10°	7080.3	6731.2	5912.6	5004.5	4171.5	3400.4	2757.4	2198.4	1975.3	1823.9	1785.3
12.5°	6832.8	6360.0	5291.7	4128.4	3139.7	2209.5	1596.3	1248.4	1097.0	1037.3	1027.4
15°	6599.7	6013.1	4694.0	3335.2	2174.1	1359.9	1015.3	897.0	861.7	851.8	851.8
17.5°	6379.9	5682.8	4109.6	2554.2	1438.4	953.4	840.7	814.2	803.1	802.0	803.1
20°	6150.1	5352.5	3535.2	1871.4	1004.2	807.6	776.6	762.3	759.0	759.0	759.0
22.5°	5930.2	5022.1	2976.2	1336.7	805.4	736.9	721.4	711.5	708.1	707.0	704.8
25°	5719.2	4708.4	2430.4	944.6	707.0	675.0	661.7	648.5	638.5	633.0	629.7
27.5°	5545.8	4428.9	1922.2	757.9	638.5	610.9	594.3	574.5	550.2	539.1	534.7
30°	5407.7	4173.7	1481.5	639.6	574.5	546.8	521.4	487.2	451.8	433.1	432.0
32.5°	5299.4	3922.9	1124.6	565.6	517.0	482.8	446.3	403.2	362.4	341.4	340.3
35°	5246.4	3702.0	859.5	511.5	466.2	423.1	377.8	330.3	290.5	270.7	268.5
37.5°	5281.8	3515.3	670.6	466.2	423.1	373.4	320.4	270.7	235.3	217.6	216.5
40°	5411.0	3396.0	544.6	427.5	386.7	325.9	268.5	222.1	192.2	177.9	176.8
42.5°	5686.1	3351.8	465.1	395.5	351.3	281.7	223.2	183.4	155.8	145.8	143.6
45°	6145.7	3417.0	411.0	364.6	314.9	239.7	184.5	150.2	125.9	118.2	117.1
47.5°	6757.7	3588.2	372.3	334.7	281.7	202.2	153.6	121.5	102.7	95.0	93.9
50°	7546.5	3860.0	340.3	304.9	250.8	171.2	127.0	96.1	79.5	74.0	74.0
52.5°	8404.8	4183.6	311.5	277.3	219.8	142.5	102.7	74.0	63.0	56.3	56.3
55°	9114.1	4466.5	280.6	256.3	182.3	118.2	78.4	56.3	46.4	43.1	43.1
57.5°	9822.2	4768.1	245.3	219.8	145.8	96.1	59.7	42.0	34.2	32.0	32.0
60°	10740.3	5137.0	211.0	179.0	114.9	72.9	44.2	29.8	25.4	24.3	24.3
62.5°	11750.0	5353.6	180.1	143.6	89.5	54.1	32.0	19.9	18.8	18.8	17.7
65°	12367.5	5047.5	151.3	114.9	69.6	40.9	21.0	14.4	16.6	15.5	13.3
67.5°	11579.9	3951.6	123.7	89.5	54.1	30.9	13.3	9.9	17.7	14.4	11.0
70°	9588.0	2766.3	96.1	63.0	43.1	26.5	8.8	6.6	18.8	14.4	8.8
72.5°	7175.3	1851.5	76.2	42.0	32.0	23.2	7.7	3.3	16.6	12.2	7.7
75°	3920.7	745.7	60.8	26.5	19.9	16.6	5.5	2.2	11.0	8.8	5.5
77.5°	1031.8	196.6	44.2	17.7	11.0	6.6	3.3	1.1	5.5	4.4	2.2
80°	262.9	76.2	28.7	12.2	7.7	3.3	0.0	0.0	1.1	0.0	0.0
82.5°	140.3	32.0	17.7	8.8	4.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	106.1	21.0	9.9	5.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	40.9	6.6	3.3	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)