

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: P383332

Luminaire Tested: **GLEON-SA6C-735-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383332
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA6C-735-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32641.4 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

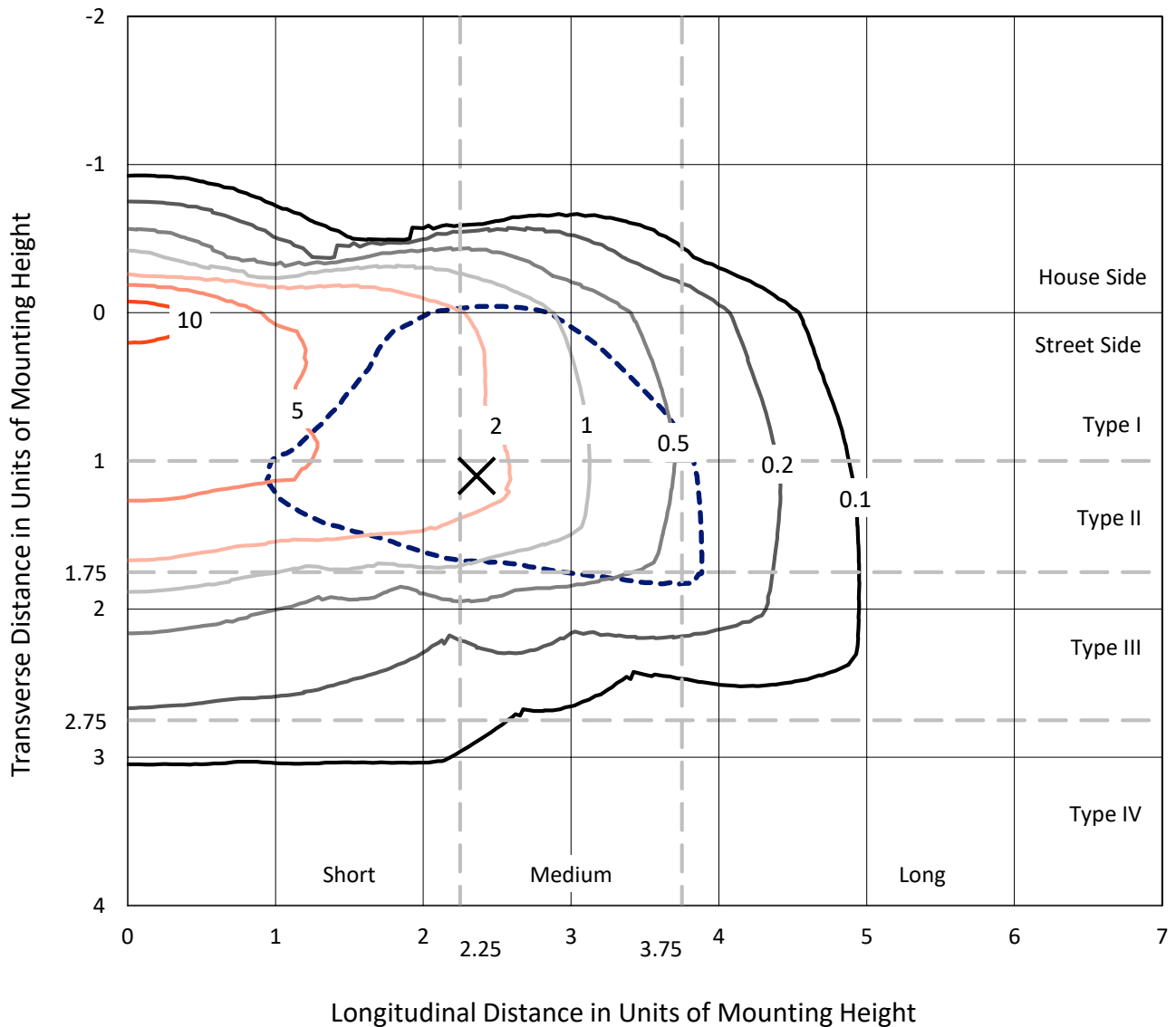
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

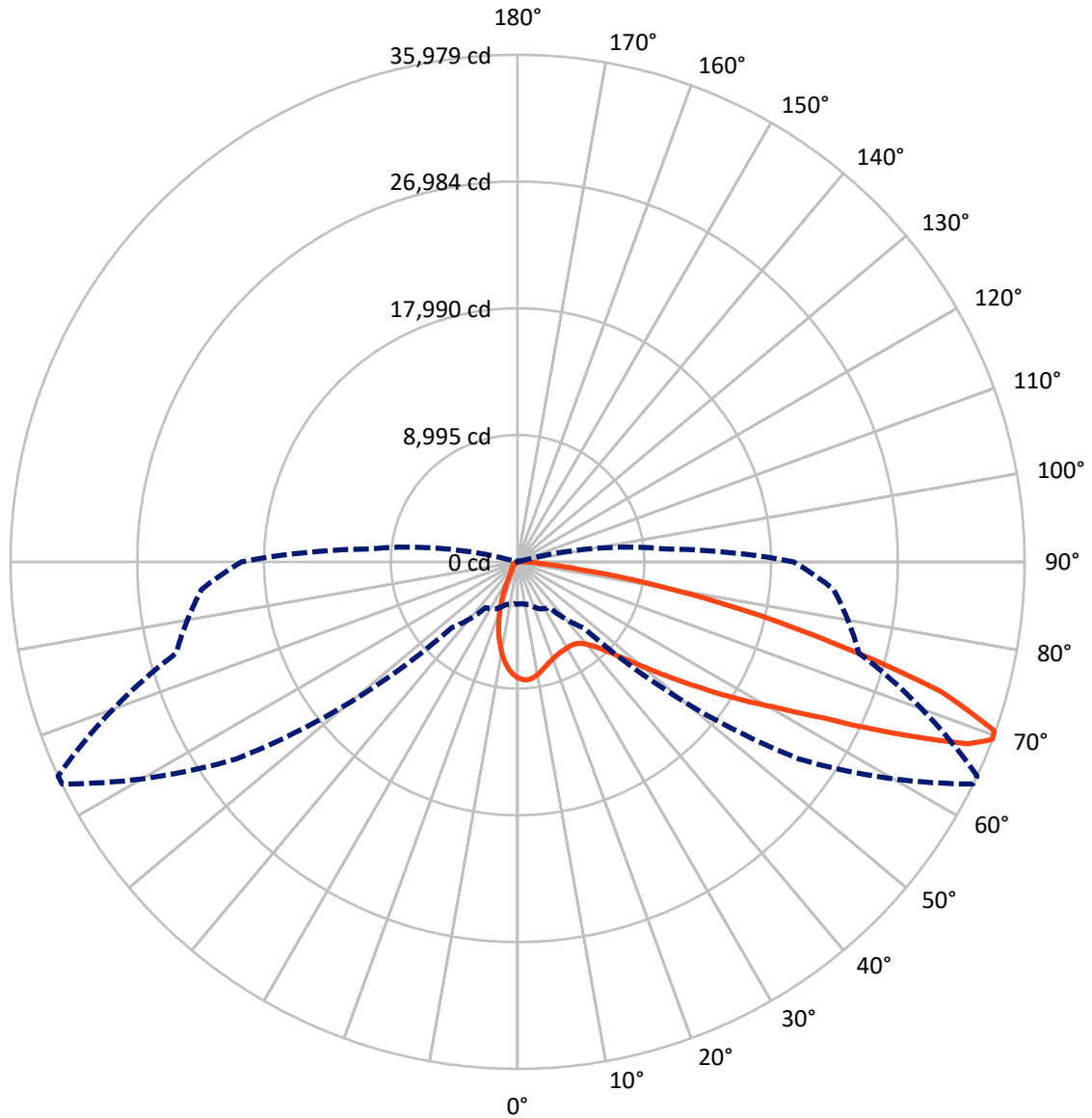
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3847.7	0.0	3847.7
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	28793.8	0.0	28793.8
	% Fixture	88.2	0.0	88.2
Total	Lumens	32641.4	0.0	32641.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	689.7	2.1
10°-20°	1509.9	4.6
20°-30°	2091.3	6.4
30°-40°	2915.9	8.9
40°-50°	4532.2	13.9
50°-60°	7276.0	22.3
60°-70°	8230.4	25.2
70°-80°	4833.8	14.8
80°-90°	562.3	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°	32641.4	100.0
0°-180°	32641.4	100.0

Coefficient of Utilization

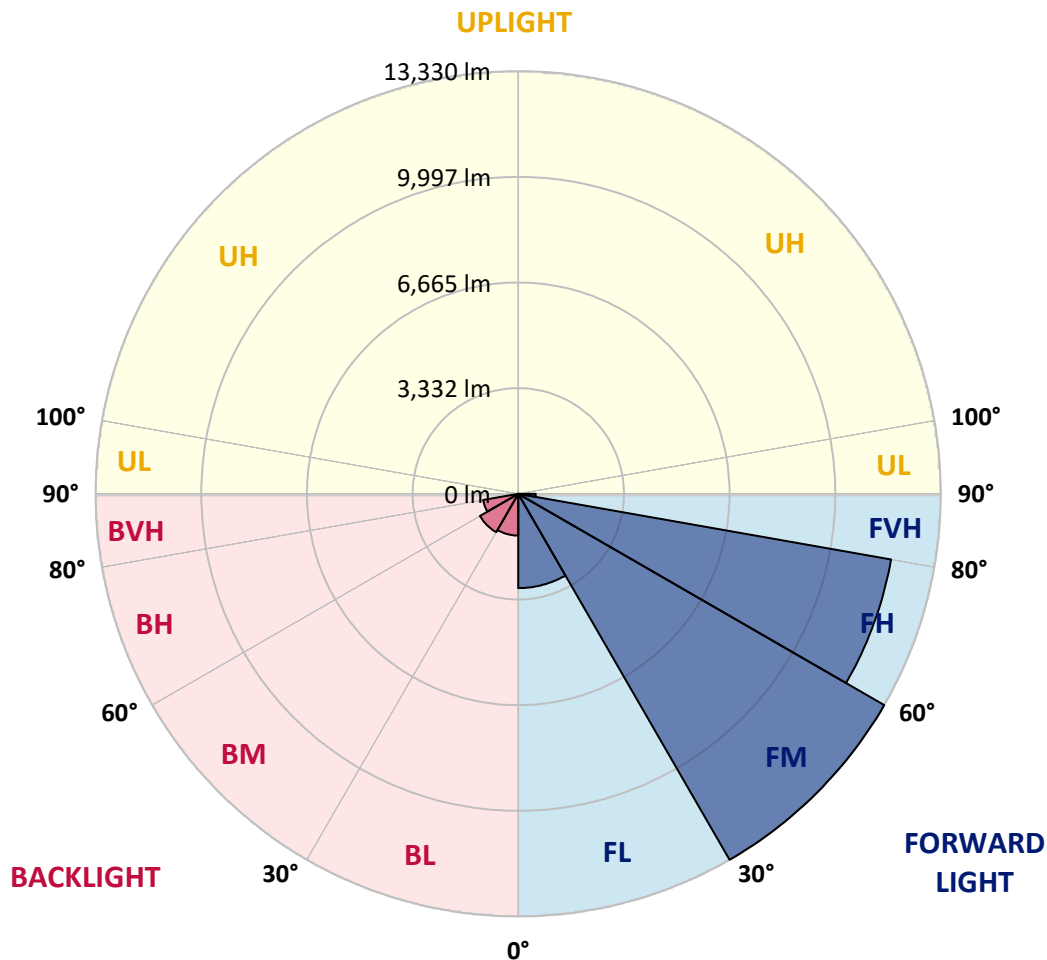


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2974.4	9.1			
FM (30°-60°)	13329.8	40.8			
FH (60°-80°)	11939.9	36.6			G4/12000
FVH (80°-90°)	549.6	1.7			G4/750
BL (0°-30°)	1316.5	4.0	B3/2500		
BM (30°-60°)	1394.3	4.3	B2/2500		
BH (60°-80°)	1124.2	3.4	B3/2500		G3/2500
BVH (80°-90°)	12.6	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	8248.6	8248.6	8248.6	8248.6	8248.6	8248.6	8248.6	8248.6	8248.6	8248.6	8248.6
2.5°	8321.8	8301.0	8317.6	8353.6	8371.4	8371.4	8385.3	8368.7	8374.2	8334.2	8276.1
5°	7801.1	7769.3	7814.8	7915.6	8040.0	8146.3	8303.8	8386.6	8394.9	8396.3	8328.7
7.5°	7240.3	7211.3	7278.9	7397.7	7557.9	7755.4	8030.3	8270.7	8284.4	8414.3	8364.6
10°	6784.5	6763.8	6842.5	6969.6	7157.4	7378.4	7715.4	8049.7	8089.7	8377.0	8359.1
12.5°	6422.6	6406.1	6480.6	6627.0	6819.0	7063.5	7415.7	7803.8	7857.7	8292.7	8331.4
15°	6158.7	6156.0	6218.2	6359.0	6571.8	6799.6	7160.2	7575.9	7638.0	8201.6	8327.3
17.5°	6020.7	6024.8	6070.4	6190.6	6372.9	6599.4	6944.7	7383.9	7451.6	8120.1	8348.0
20°	6006.9	6011.0	6035.9	6103.5	6251.3	6451.6	6769.3	7222.3	7292.7	8059.3	8381.1
22.5°	6128.4	6125.7	6132.6	6125.7	6208.5	6360.4	6653.3	7098.0	7179.5	8019.2	8407.4
25°	6361.8	6357.7	6354.9	6303.8	6248.5	6330.1	6605.0	7027.6	7104.9	7990.3	8422.6
27.5°	6686.4	6683.7	6679.5	6595.3	6429.5	6378.4	6610.4	7001.3	7066.3	7966.8	8419.8
30°	7113.2	7132.5	7127.0	7009.6	6751.3	6526.1	6668.5	6987.5	7044.2	7921.2	8390.8
32.5°	7614.6	7653.2	7683.6	7557.9	7234.8	6819.0	6802.4	7002.7	7044.2	7886.7	8338.3
35°	8135.3	8185.0	8296.9	8252.7	7827.2	7259.6	7033.1	7093.8	7128.4	7906.0	8313.5
37.5°	8647.7	8707.1	8950.2	9078.7	8603.5	7842.5	7392.2	7319.0	7337.0	8023.4	8341.1
40°	9243.0	9332.8	9701.6	9908.8	9530.3	8622.9	7929.5	7705.8	7712.7	8281.7	8469.5
42.5°	10024.8	10117.4	10516.5	10841.1	10574.5	9609.0	8658.7	8296.9	8290.0	8765.1	8772.0
45°	10977.8	11074.5	11487.5	11848.0	11727.8	10777.5	9592.4	9160.1	9151.9	9527.5	9345.2
47.5°	12057.9	12153.2	12522.0	12893.6	13023.4	12142.2	10781.6	10338.3	10318.9	10586.9	10230.5
50°	12984.7	13046.9	13386.6	13886.6	14472.2	13818.9	12260.9	11834.2	11813.4	11994.3	11530.3
52.5°	13321.7	13357.6	13702.9	14403.2	15864.5	16089.6	14204.3	13654.5	13639.3	13718.2	13261.0
55°	12639.4	12704.4	13128.3	14167.0	16618.6	18655.9	16657.3	15908.7	15794.0	15624.2	15070.3
57.5°	10780.3	10883.9	11339.6	12720.8	16266.4	20691.8	20262.3	18458.4	18289.9	17251.2	16541.3
60°	8077.3	8204.3	8582.8	10073.1	14386.6	21416.9	24201.4	21299.6	20919.7	18546.8	17893.4
62.5°	5542.8	5606.3	5863.3	6834.2	10595.2	20229.1	27497.0	25104.7	24411.4	19955.6	19356.2
65°	4233.4	4255.5	4360.5	4694.7	6309.4	16432.2	28807.7	30125.4	29287.0	21640.7	20874.1
67.5°	3411.6	3393.6	3538.7	4016.6	4225.1	10024.8	27278.8	34875.4	34483.1	23893.5	22401.8
69°	3008.2	2983.4	3131.2	3686.4	3968.2	6627.0	24386.5	35954.1	35979.0	25082.7	22506.7
70°	2707.2	2723.8	2870.1	3490.3	3881.2	5201.6	21624.1	35679.2	35875.4	25527.4	21876.8
72.5°	1808.0	1852.2	2146.4	2897.8	3732.0	3936.4	13056.5	30617.2	31371.3	24526.1	18769.2
75°	1019.3	1052.5	1401.9	2185.0	3516.5	3748.5	6896.3	22556.4	23285.7	20509.5	14473.6
77.5°	500.0	517.9	792.8	1410.2	2940.6	3571.8	3911.6	15321.7	16154.5	13386.6	8186.3
80°	211.4	221.0	396.4	870.2	2102.2	3408.8	2904.7	9429.5	9533.1	5244.4	2180.9
82.5°	81.5	84.2	167.1	542.8	1335.7	2657.4	2429.6	4471.0	4363.2	987.5	497.3
85°	9.7	11.1	60.7	325.9	743.1	1367.4	1973.8	1926.8	1783.2	196.1	255.5
87.5°	0.0	0.0	4.1	99.5	221.0	640.9	1026.2	799.7	721.0	63.5	132.6
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°	8248.6	8248.6	8248.6	8248.6	8248.6	8248.6	8248.6	8248.6	8248.6	8248.6	8248.6
2.5°	8227.8	8214.0	8139.4	8031.7	7929.5	7802.5	7680.9	7607.7	7549.6	7511.0	7556.5
5°	8250.0	8189.1	7962.7	7672.6	7388.0	7067.7	6769.3	6516.5	6417.1	6306.6	6356.3
7.5°	8243.0	8128.4	7720.9	7204.4	6682.3	6142.3	5631.2	5237.5	5033.1	4832.9	4883.9
10°	8208.5	8015.1	7397.7	6632.5	5850.8	5074.5	4349.4	3798.3	3490.3	3211.3	3251.4
12.5°	8132.5	7863.2	7016.5	5977.8	4932.3	3908.8	3059.4	2353.6	1975.2	1808.0	1828.7
15°	8087.0	7715.4	6613.2	5314.9	3951.6	2722.4	1870.2	1390.9	1218.2	1162.9	1169.8
17.5°	8064.9	7573.1	6196.1	4556.6	2948.9	1733.4	1208.6	1066.2	1029.0	1019.3	1022.1
20°	8042.7	7429.5	5766.6	3806.6	2031.7	1165.7	993.1	951.7	937.9	925.4	928.2
22.5°	8005.4	7291.4	5305.2	3046.9	1370.1	946.1	895.0	855.0	826.0	810.7	813.5
25°	7959.9	7146.4	4834.2	2269.3	1000.0	843.9	795.5	738.9	704.4	676.8	678.2
27.5°	7886.7	6968.2	4348.0	1651.9	839.8	755.5	690.6	628.4	570.5	538.7	538.7
30°	7784.5	6766.5	3808.0	1182.3	752.8	668.5	589.8	512.4	450.3	421.2	418.5
32.5°	7671.2	6556.6	3262.4	896.4	683.7	587.0	497.3	415.7	360.5	337.0	335.6
35°	7574.5	6330.1	2718.2	751.4	614.6	508.3	410.3	341.1	297.0	277.6	276.2
37.5°	7512.4	6103.5	2187.8	671.3	552.5	435.0	343.9	281.8	250.0	234.8	233.4
40°	7502.7	5935.1	1703.1	610.5	494.5	370.2	287.3	238.9	210.0	193.4	192.0
42.5°	7628.4	5838.4	1306.6	559.4	435.0	313.6	244.4	204.4	174.0	157.4	156.0
45°	7958.5	5868.7	1005.5	513.8	375.7	265.2	207.2	169.9	142.2	129.9	127.1
47.5°	8560.7	6078.7	799.7	468.2	319.1	225.2	176.8	140.8	117.4	105.0	103.6
50°	9632.5	6571.8	668.5	418.5	266.6	192.0	146.4	114.7	95.3	84.2	82.9
52.5°	11055.1	7450.2	596.7	370.2	221.0	163.0	120.2	91.2	74.6	66.3	64.9
55°	12624.2	8513.7	549.7	317.7	180.9	135.4	95.3	71.8	58.0	51.1	48.3
57.5°	14156.0	9435.0	505.6	266.6	150.5	110.5	75.9	56.6	45.6	38.7	37.3
60°	15563.4	10281.7	454.4	214.1	123.0	87.0	59.4	44.2	36.0	29.0	29.0
62.5°	17070.3	10936.4	384.0	167.1	100.8	66.3	48.3	40.1	29.0	24.9	23.5
65°	18667.0	11422.5	301.1	129.9	78.7	49.7	40.1	41.5	23.5	18.0	16.6
67.5°	19846.5	11325.8	222.4	102.2	60.7	38.7	38.7	44.2	20.7	13.8	12.4
69°	19586.8	10540.0	186.5	88.4	52.4	33.2	36.0	44.2	19.4	12.4	11.1
70°	18834.1	9669.8	164.3	78.7	46.9	30.4	34.6	42.9	18.0	12.4	11.1
72.5°	15684.9	7283.1	128.5	59.4	37.3	24.9	29.0	37.3	18.0	12.4	9.7
75°	11798.2	4661.6	98.1	42.9	27.7	19.4	22.1	27.7	18.0	11.1	9.7
77.5°	6419.9	1680.9	70.4	29.0	19.4	15.2	15.2	20.7	16.6	8.3	5.5
80°	1650.5	422.6	44.2	19.4	15.2	11.1	9.7	13.8	9.7	1.4	0.0
82.5°	407.5	95.3	23.5	13.8	11.1	4.1	4.1	6.9	4.1	0.0	0.0
85°	223.8	46.9	15.2	9.7	5.5	0.0	0.0	1.4	0.0	0.0	0.0
87.5°	114.7	13.8	4.1	2.8	1.4	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)