

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: P648595

Luminaire Tested: **GALN-SA8B-835-U-SL3-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P648595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8B-835-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 800mA 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: 29761 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

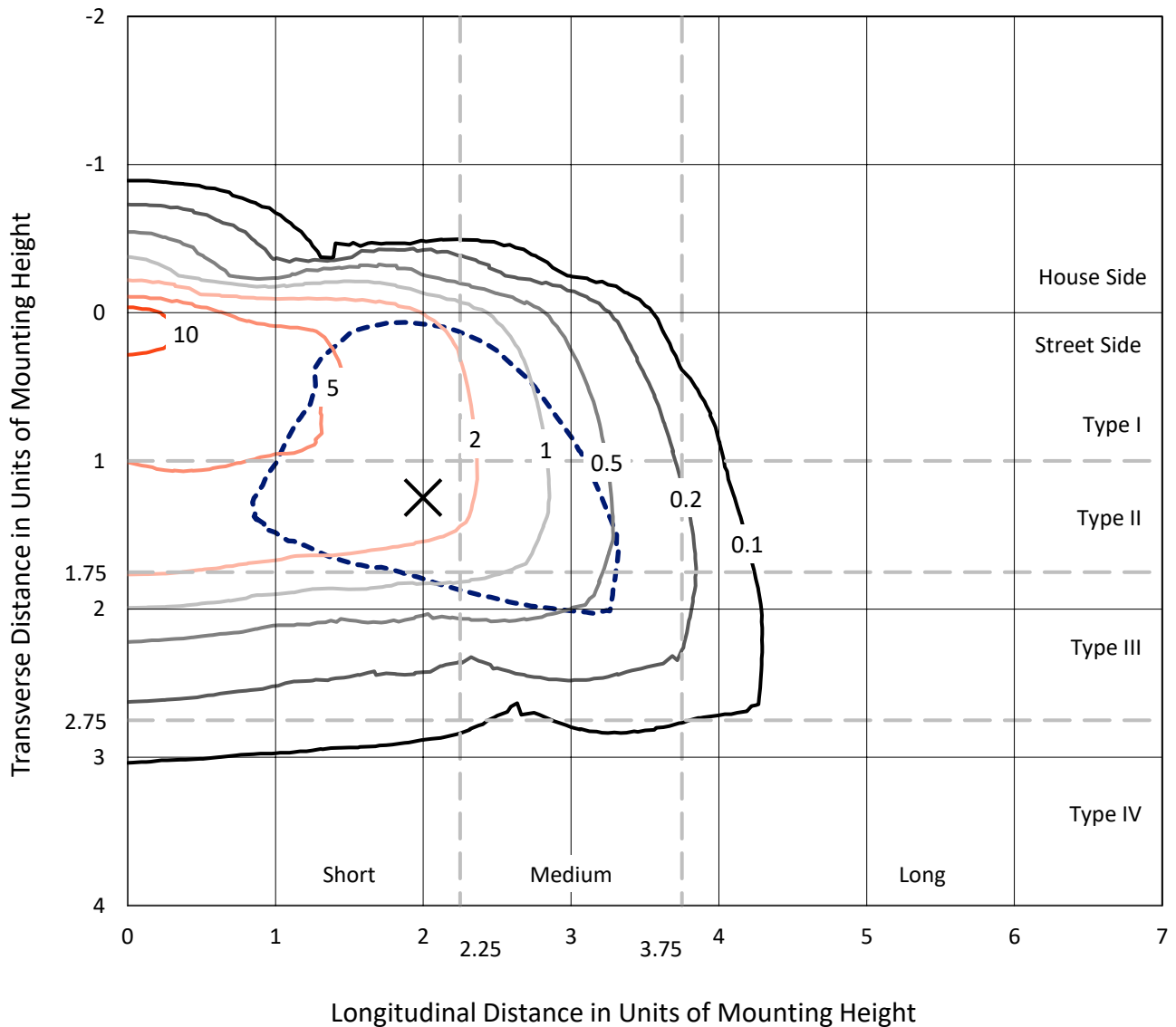
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P648595
 CATALOG NUMBER: GALN-SA8B-835-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

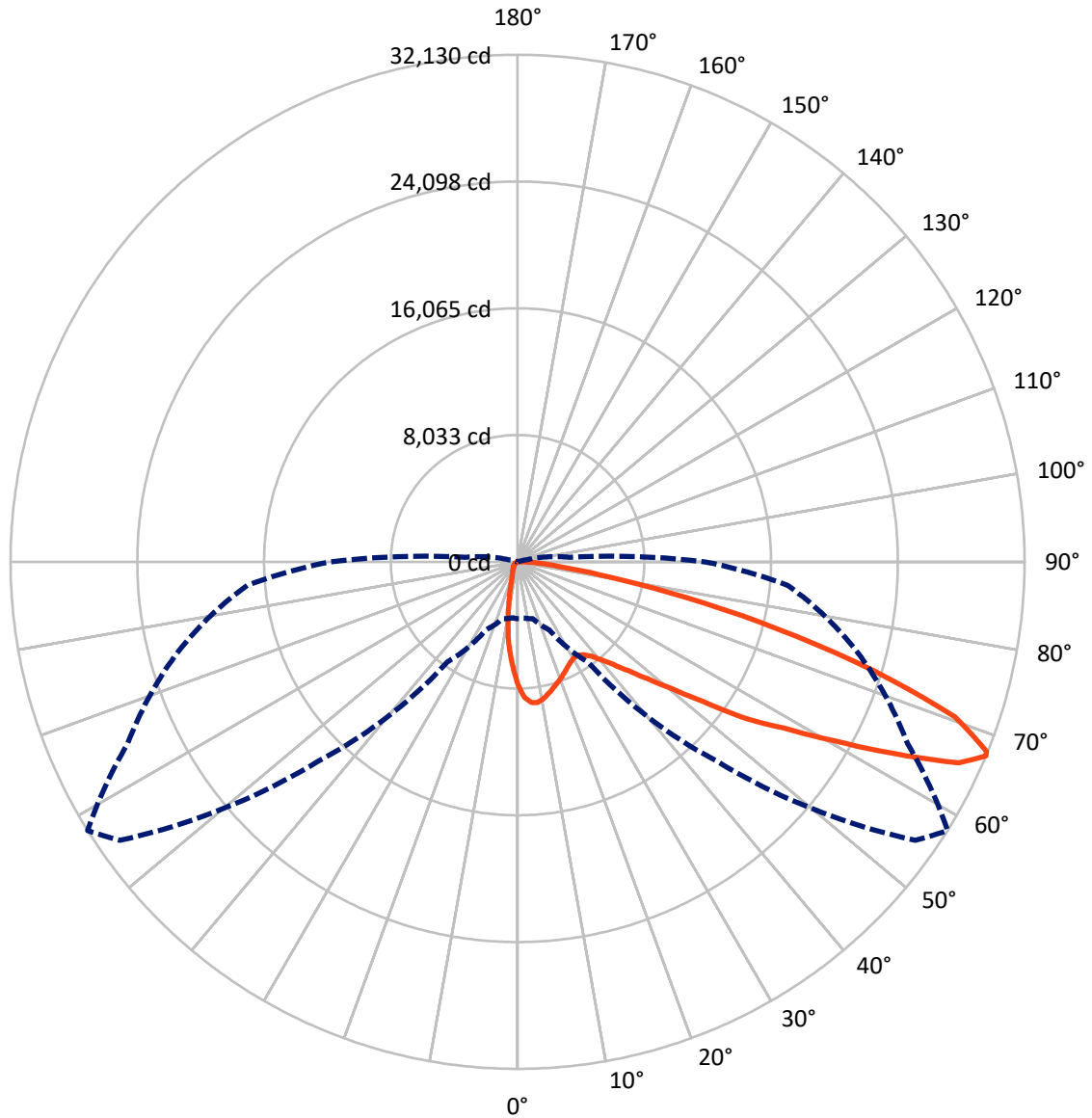
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 fc
 Type III - Short - N/A

REPORT NUMBER: P648595
CATALOG NUMBER: GALN-SA8B-835-U-SL3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P648595
 CATALOG NUMBER: GALN-SA8B-835-U-SL3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2147.7	0.0	2147.7
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	27613.3	0.0	27613.3
	% Fixture	92.8	0.0	92.8
Total	Lumens	29761.0	0.0	29761.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	640.2	2.2
10°-20°	1382.7	4.6
20°-30°	1873.6	6.3
30°-40°	2598.6	8.7
40°-50°	4144.5	13.9
50°-60°	7164.1	24.1
60°-70°	8183.7	27.5
70°-80°	3411.8	11.5
80°-90°	361.8	1.2
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°	29761.0	100.0
0°-180°	29761.0	100.0

Coefficient of Utilization

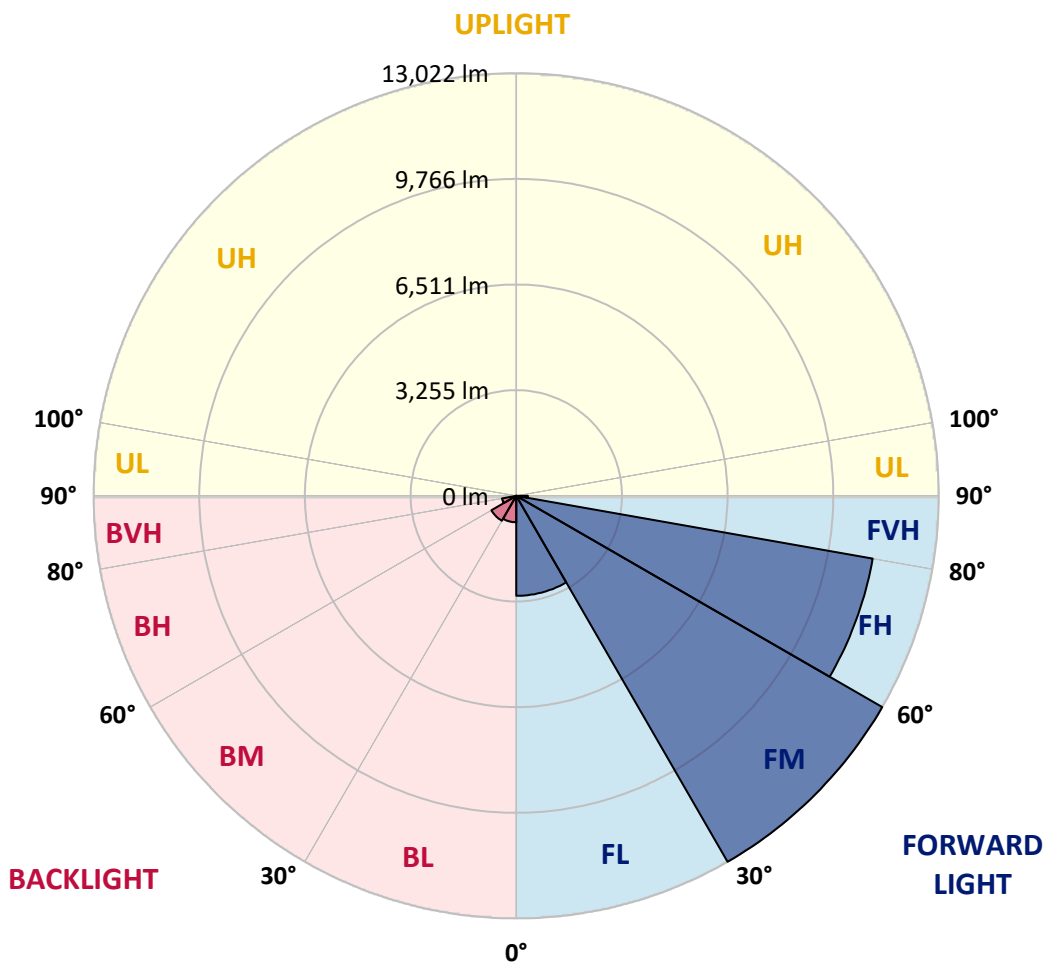


REPORT NUMBER: P648595
 CATALOG NUMBER: GALN-SA8B-835-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3081.0	10.4			
FM (30°-60°)	13021.7	43.8			
FH (60°-80°)	11151.5	37.5			G4/12000
FVH (80°-90°)	359.1	1.2			G3/500
BL (0°-30°)	815.5	2.7	B2/1000		
BM (30°-60°)	885.6	3.0	B1/1000		
BH (60°-80°)	444.0	1.5	B1/500		G1/500
BVH (80°-90°)	2.6	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 Short





REPORT NUMBER: P648595

CATALOG NUMBER: GALN-SA8B-835-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	7889.4	7889.4	7889.4	7889.4	7889.4	7889.4	7889.4	7889.4	7889.4	7889.4	7889.4
2.5°	9156.2	9170.1	9118.4	9076.7	8969.3	8853.9	8700.8	8619.3	8480.0	8239.4	7972.9
5°	9371.0	9388.9	9381.0	9371.0	9329.2	9217.9	9023.0	8951.4	8746.5	8354.8	7873.5
7.5°	8893.7	8959.3	8967.3	9044.8	9118.4	9128.4	9054.8	9001.1	8812.2	8352.7	7696.5
10°	8261.3	8305.0	8368.7	8458.2	8635.2	8782.4	8853.9	8845.9	8736.6	8291.1	7489.6
12.5°	7622.9	7646.8	7744.2	7897.3	8114.1	8364.7	8555.6	8593.4	8595.4	8217.5	7316.6
15°	7074.0	7064.1	7139.6	7316.6	7620.9	7935.2	8277.2	8336.8	8432.3	8145.9	7155.5
17.5°	6604.7	6656.4	6668.3	6863.2	7143.6	7551.3	7986.8	8092.2	8283.1	8084.2	7022.3
20°	6314.3	6342.1	6368.0	6477.4	6730.0	7159.5	7714.4	7859.5	8143.9	8028.6	6873.1
22.5°	6228.8	6246.7	6224.8	6258.6	6437.6	6819.5	7418.1	7610.9	8010.7	7976.9	6751.8
25°	6294.4	6312.3	6260.6	6220.8	6282.5	6543.0	7131.6	7366.3	7903.3	7966.9	6660.4
27.5°	6453.5	6487.3	6415.7	6344.1	6308.3	6393.8	6906.9	7179.4	7829.7	8014.7	6618.5
30°	6702.1	6722.0	6668.3	6580.8	6499.2	6413.7	6789.6	7050.1	7809.8	8126.1	6614.6
32.5°	6972.5	7014.3	6984.5	6926.8	6821.4	6618.5	6823.4	7054.1	7857.6	8287.1	6664.3
35°	7306.6	7354.4	7382.3	7370.3	7235.1	6982.5	7038.2	7233.1	7984.9	8583.5	6799.6
37.5°	7634.8	7676.6	7833.7	7887.4	7768.1	7529.4	7455.8	7585.1	8265.3	8971.2	7044.2
40°	8010.7	8066.4	8287.1	8491.9	8434.3	8183.7	8048.5	8155.9	8694.8	9556.0	7507.6
42.5°	8370.7	8470.1	8806.2	9168.1	9221.9	8941.5	8852.0	8887.8	9331.2	10397.2	8153.8
45°	8881.8	8975.2	9408.8	9900.0	10152.6	9933.8	9842.3	9836.4	10204.3	11580.5	9202.0
47.5°	9619.6	9703.1	10214.2	10699.5	11149.0	11178.8	11005.8	11065.4	11302.1	12964.7	10486.7
50°	10524.5	10721.4	11057.4	11562.6	12163.2	12648.4	12702.1	12622.6	12825.5	14567.6	12029.9
52.5°	11839.0	11914.6	12222.9	12638.6	13342.6	14165.9	14804.3	14694.9	14631.2	16095.0	13589.1
55°	12819.5	12920.9	13400.2	13971.0	15003.1	16089.0	17473.2	17510.9	16707.5	17562.7	15114.5
57.5°	12523.1	12678.3	13404.2	14551.7	16820.9	18805.6	19835.8	19861.7	18628.7	18988.6	16836.8
60°	11001.8	11075.4	12115.5	13646.8	16976.0	21749.0	23186.9	22978.1	20583.6	20583.6	18358.1
62.5°	7801.9	7917.2	8760.4	11013.7	15331.3	22771.2	27200.2	26768.6	23276.3	22108.9	19265.0
65°	4985.8	4874.4	5433.2	6952.6	11421.4	21261.7	30694.4	30720.2	25810.0	22719.5	18769.8
67°	3611.6	3567.8	3728.9	4753.1	7744.2	17872.9	30768.0	32130.2	27265.8	22333.7	17186.8
67.5°	3303.3	3337.1	3454.4	4287.8	7036.2	16264.0	30433.9	32046.8	27593.9	22101.0	16614.0
70°	2503.9	2446.2	2573.4	3032.9	4218.2	10260.0	26179.9	29391.8	27186.2	19792.0	13274.9
72.5°	1841.6	1835.6	2012.6	2480.0	3247.6	5465.1	19652.8	23566.7	22210.4	15070.8	8358.8
75°	1242.9	1298.7	1581.0	2072.3	2943.4	3543.9	13398.2	17097.3	15418.8	8557.6	3416.7
77.5°	708.0	712.0	1018.2	1664.6	2643.0	2851.8	7939.1	10892.4	8161.8	2845.9	1014.3
80°	306.2	336.1	505.1	1209.2	2191.6	2525.7	4552.3	5986.1	3301.4	602.6	328.2
82.5°	113.4	133.3	222.8	743.8	1599.0	2080.2	2750.4	2857.9	1119.7	212.8	204.8
85°	0.0	4.0	81.5	348.0	833.3	928.7	1837.6	1694.4	495.2	101.4	133.3
87.5°	0.0	0.0	0.0	35.8	109.4	346.0	570.8	636.4	119.3	35.8	31.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P648595

CATALOG NUMBER: GALN-SA8B-835-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7889.4	7889.4	7889.4	7889.4	7889.4	7889.4	7889.4	7889.4	7889.4	7889.4	7889.4
2.5°	7829.7	7700.4	7376.3	7052.1	6811.5	6610.6	6308.3	6143.3	6055.7	5926.4	5934.4
5°	7632.8	7370.3	6799.6	6208.9	5731.6	5266.2	4709.4	4484.6	4295.7	4188.3	4116.7
7.5°	7340.5	6952.6	6107.5	5319.9	4586.0	3772.7	3162.1	2754.4	2480.0	2378.5	2281.1
10°	7020.3	6505.2	5405.4	4313.6	3295.3	2456.1	1939.0	1565.1	1431.9	1308.6	1320.5
12.5°	6723.9	6097.5	4761.1	3404.7	2308.9	1561.1	1217.1	1064.0	1020.2	1006.3	1006.3
15°	6481.4	5707.8	4069.0	2559.5	1583.1	1121.6	974.5	932.7	916.8	912.8	912.8
17.5°	6222.8	5337.8	3444.5	1891.3	1151.5	938.7	888.9	861.1	855.2	851.2	851.2
20°	5992.1	4965.9	2851.8	1408.1	930.8	845.2	813.4	795.5	789.5	785.6	787.5
22.5°	5773.4	4635.8	2295.1	1064.0	819.3	769.6	737.8	719.9	708.0	698.0	700.0
25°	5578.5	4317.6	1845.5	871.1	737.8	694.1	662.3	636.4	610.6	598.6	596.6
27.5°	5441.2	4039.2	1437.9	745.8	664.2	616.5	576.8	544.9	511.1	493.2	489.2
30°	5327.8	3756.8	1137.5	658.3	590.7	544.9	495.2	449.4	413.7	395.7	387.8
32.5°	5254.3	3488.3	896.9	586.7	529.0	473.3	417.7	371.9	332.1	314.2	310.2
35°	5242.3	3263.5	733.8	527.0	473.3	413.7	356.0	306.2	272.5	254.6	250.6
37.5°	5327.8	3090.5	614.5	479.3	427.6	362.0	298.3	252.6	222.8	208.8	206.9
40°	5556.6	2981.1	533.0	439.5	385.8	314.2	254.6	214.8	184.9	171.0	171.0
42.5°	5992.1	2985.1	479.3	401.8	344.1	268.5	216.8	179.0	153.2	141.2	137.3
45°	6672.3	3120.3	433.5	363.9	304.3	232.7	184.9	147.2	121.3	111.3	111.3
47.5°	7583.1	3388.8	393.8	326.1	268.5	198.9	157.1	119.3	97.5	87.5	87.5
50°	8774.4	3820.4	359.9	294.3	238.7	171.0	127.3	97.5	75.6	67.7	65.6
52.5°	10019.3	4353.4	320.2	266.5	204.8	145.2	103.4	75.6	57.7	51.7	49.7
55°	11393.6	4874.4	282.4	238.7	167.1	121.3	81.5	59.7	41.7	35.8	35.8
57.5°	12779.7	5385.6	236.6	198.9	131.2	89.5	63.7	43.8	27.9	21.8	21.8
60°	13953.1	5550.6	200.8	161.1	99.4	63.7	45.7	27.9	15.9	9.9	9.9
62.5°	14114.2	4993.7	169.0	123.3	71.6	43.8	23.9	15.9	6.0	4.0	4.0
65°	13239.1	4057.0	141.2	93.5	47.8	21.8	9.9	6.0	2.0	0.0	0.0
67°	11862.9	3289.4	115.3	69.6	33.8	13.9	6.0	2.0	0.0	0.0	0.0
67.5°	11510.9	3136.2	111.3	65.6	29.8	11.9	4.0	2.0	0.0	0.0	0.0
70°	9032.9	2348.7	79.6	39.8	17.9	8.0	0.0	0.0	0.0	0.0	0.0
72.5°	5614.3	1328.5	57.7	23.9	11.9	4.0	0.0	0.0	0.0	0.0	0.0
75°	2122.0	465.3	39.8	15.9	8.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	660.3	177.0	23.9	11.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	222.8	67.7	15.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	137.3	27.9	9.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	85.5	11.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.9	4.0	2.0	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)