

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: P956628

Luminaire Tested: **GALN-SB9B-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB9B-722-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35274 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 329.5
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



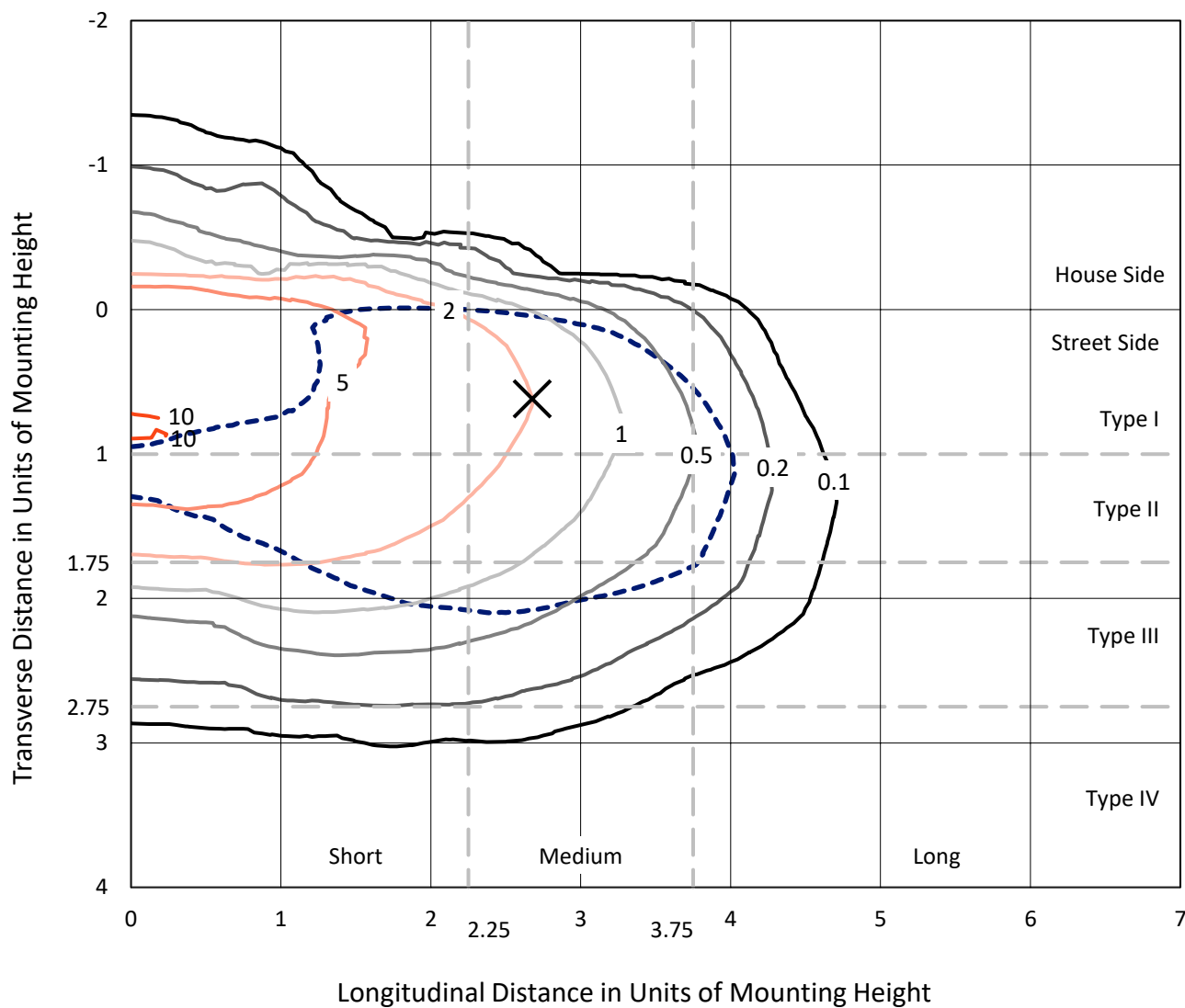
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

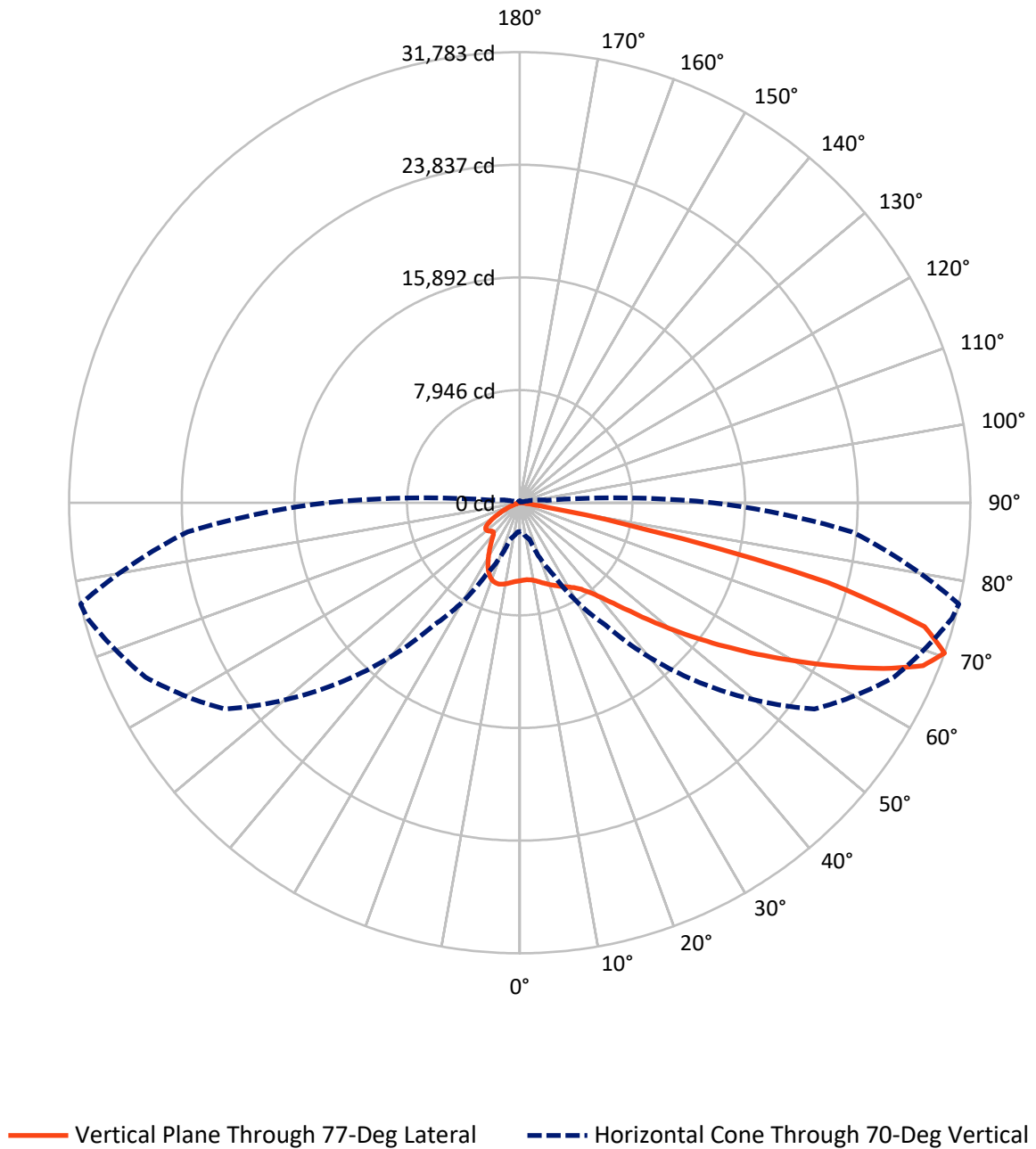
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3718.4	0.0	3718.4
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	31555.6	0.0	31555.6
	% Fixture	89.5	0.0	89.5
Total	Lumens	35274.0	0.0	35274.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	474.2	1.3
10°-20°	1125.7	3.2
20°-30°	1741.1	4.9
30°-40°	3159.4	9.0
40°-50°	5963.7	16.9
50°-60°	8617.0	24.4
60°-70°	9172.6	26.0
70°-80°	4860.8	13.8
80°-90°	159.6	0.5
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°	35274.0	100.0
0°-180°	35274.0	100.0

Coefficient of Utilization



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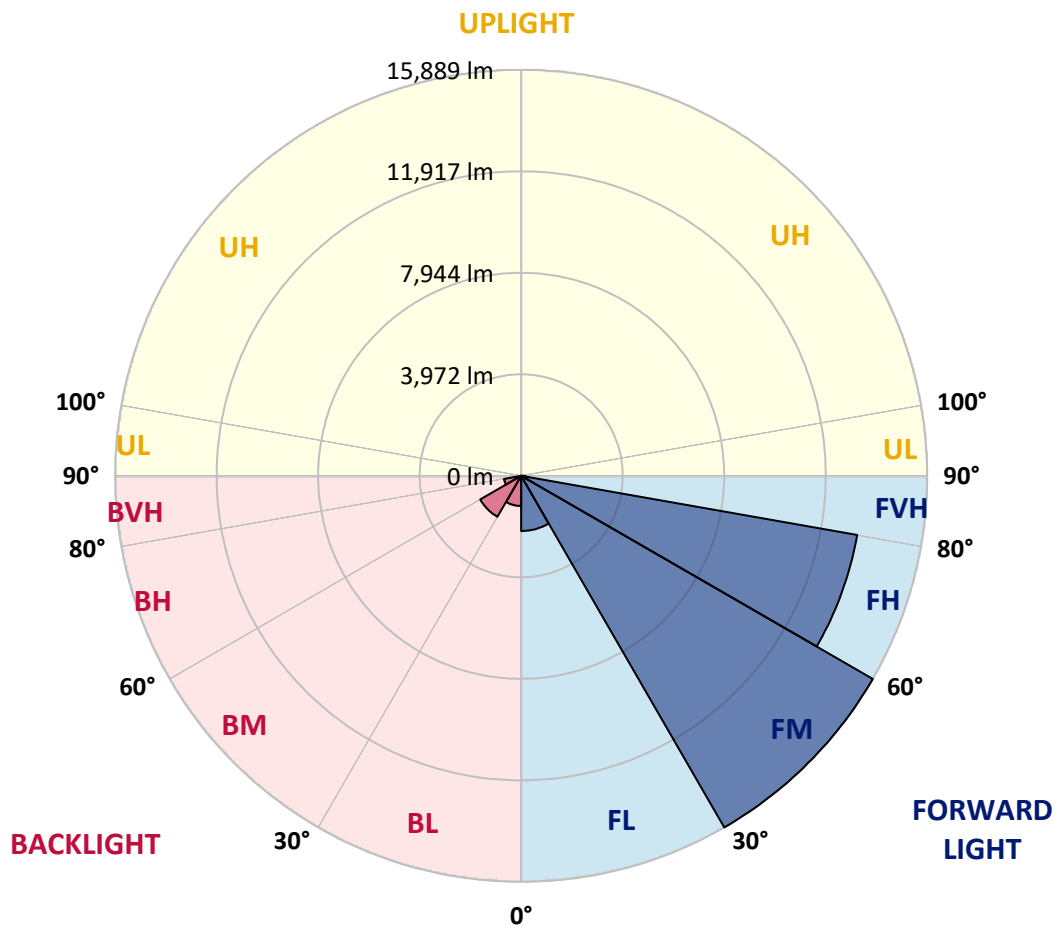
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2159.6	6.1			
FM	(30°-60°)	15889.0	45.0			
FH	(60°-80°)	13351.7	37.9			G5
FVH	(80°-90°)	155.3	0.4			G2/225
BL	(0°-30°)	1181.4	3.3	B3/2500		
BM	(30°-60°)	1851.0	5.2	B2/2500		
BH	(60°-80°)	681.7	1.9	B2/1000		G2/1000
BVH	(80°-90°)	4.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	5502.1	5502.1	5502.1	5502.1	5502.1	5502.1	5502.1	5502.1	5502.1	5502.1	5502.1
2.5°	5165.7	5212.5	5205.8	5237.0	5248.2	5292.7	5337.3	5397.4	5464.2	5462.0	5506.6
5°	4873.9	4920.7	4931.8	4974.2	5027.6	5096.7	5188.0	5308.3	5433.1	5453.1	5542.2
7.5°	4528.7	4577.7	4606.6	4691.3	4789.3	4931.8	5081.1	5257.1	5464.2	5493.2	5664.7
10°	4183.4	4227.9	4265.8	4386.1	4542.0	4753.6	4996.4	5250.4	5528.8	5571.2	5814.0
12.5°	3969.5	4011.9	4054.2	4158.9	4352.7	4611.1	4940.8	5281.6	5635.8	5695.9	6016.7
15°	3893.8	3931.7	3965.1	4058.6	4239.1	4533.1	4929.6	5346.2	5771.6	5851.8	6261.7
17.5°	3904.9	3925.0	3947.3	4018.5	4194.5	4497.5	4949.7	5457.6	5932.0	6003.3	6506.7
20°	3969.5	3980.7	3982.9	4031.9	4187.8	4493.0	4989.8	5564.5	6083.5	6179.3	6749.5
22.5°	4052.0	4056.4	4052.0	4085.4	4230.2	4526.4	5043.2	5693.7	6252.8	6341.9	6994.6
25°	4437.3	4352.7	4245.8	4181.2	4301.4	4591.0	5123.4	5867.4	6437.7	6524.6	7232.9
27.5°	5633.5	5390.7	5007.6	4577.7	4448.5	4684.6	5234.8	6043.4	6624.8	6702.8	7489.1
30°	7576.0	7257.4	6607.0	5638.0	4920.7	4880.6	5379.6	6219.4	6823.1	6907.7	7763.1
32.5°	9522.9	9444.9	8694.2	7353.2	5983.3	5317.2	5620.2	6457.7	7085.9	7152.7	8132.9
35°	11492.1	11333.9	10719.1	9393.7	7620.5	6206.0	6021.1	6769.6	7431.2	7506.9	8671.9
37.5°	13000.1	12904.3	12523.4	11431.9	9563.0	7578.2	6707.2	7253.0	7932.4	8017.0	9362.5
40°	14332.2	14287.7	14158.5	13439.0	11734.9	9373.6	7774.2	8001.4	8627.4	8727.6	10209.0
42.5°	15379.2	15483.9	15557.4	15356.9	13973.6	11423.0	9208.8	9052.9	9596.4	9698.9	11287.1
45°	16450.6	16486.3	16782.5	17072.1	16196.7	13565.9	10826.0	10284.7	10801.5	10928.5	12579.1
47.5°	17139.0	17281.5	17802.8	18312.9	18065.6	15691.0	12563.5	11739.3	12198.2	12436.5	14027.0
50°	17190.2	17459.7	18177.0	19065.8	19426.7	17713.7	14452.5	13396.6	13884.5	14147.3	15573.0
52.5°	16337.0	16755.8	17867.4	19168.3	20161.8	19426.7	16406.1	15053.9	15679.9	16022.9	17176.8
55°	12525.6	13073.6	16702.3	18611.4	20190.7	20725.3	18308.4	16780.3	17680.3	18067.8	18909.9
57.5°	10912.9	11189.1	13131.5	17644.6	19653.9	21248.8	20028.1	18424.3	19856.6	20337.7	20547.1
60°	9079.6	9442.7	11013.1	16063.0	18925.5	21300.1	21547.3	20544.9	22215.6	22756.9	22048.5
62.5°	6170.4	6564.7	8126.2	13345.4	17929.7	21275.6	22792.5	22727.9	24837.4	25418.8	23320.5
65°	3822.5	4069.8	5098.9	10897.3	16537.5	21302.3	24095.7	25378.7	27604.1	28194.4	24305.1
67.5°	3020.6	3134.2	3671.0	8366.8	14138.4	20700.8	25396.6	27871.4	30208.1	30675.9	24605.8
70°	2029.3	2098.4	2670.9	5609.0	10518.6	17925.3	25372.1	29123.3	31549.1	31783.0	23509.8
72.5°	1069.2	1122.7	1561.5	2597.4	6353.0	12741.7	21386.9	27626.4	30214.8	29862.9	20094.9
75°	534.6	623.7	1051.4	1318.7	2713.2	7106.0	13280.8	21781.2	23781.6	22418.3	12893.2
77.5°	405.4	490.1	868.8	868.8	944.5	2392.4	5624.6	11879.7	10957.4	9124.1	3784.6
80°	258.4	334.1	759.6	657.1	394.3	608.1	1465.7	3328.0	2327.8	1770.9	688.3
82.5°	151.5	218.3	632.6	434.4	220.5	225.0	414.3	708.4	603.7	470.0	211.6
85°	60.1	142.6	434.4	171.5	86.9	55.7	124.7	151.5	124.7	93.6	53.5
87.5°	0.0	33.4	75.7	0.0	6.7	4.5	8.9	11.1	11.1	8.9	17.8
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°	5502.1	5502.1	5502.1	5502.1	5502.1	5502.1	5502.1	5502.1	5502.1	5502.1	5502.1
2.5°	5526.6	5531.1	5544.4	5546.7	5515.5	5475.4	5459.8	5453.1	5426.4	5424.1	5428.6
5°	5593.4	5613.5	5593.4	5535.5	5397.4	5203.6	5056.6	4936.3	4827.2	4793.7	4773.7
7.5°	5727.1	5747.1	5687.0	5459.8	5112.3	4726.9	4379.4	4134.4	3913.8	3831.4	3798.0
10°	5918.7	5945.4	5756.1	5297.2	4682.4	4063.1	3475.0	3060.7	2737.7	2606.3	2550.6
12.5°	6159.2	6170.4	5793.9	5049.9	4123.2	3238.9	2405.8	1962.5	1675.1	1568.2	1534.8
15°	6424.3	6408.7	5798.4	4713.5	3361.4	2289.9	1570.4	1289.8	1173.9	1138.3	1138.3
17.5°	6702.8	6638.2	5709.3	4227.9	2526.1	1566.0	1165.0	1098.2	1078.1	1069.2	1067.0
20°	6976.8	6832.0	5546.7	3593.1	1813.2	1169.5	1058.1	1038.0	1026.9	1022.5	1018.0
22.5°	7226.2	6979.0	5268.2	2855.7	1316.5	1033.6	1000.2	982.4	962.3	953.4	951.2
25°	7469.1	7063.6	4876.2	2167.4	1053.6	966.8	940.0	906.6	879.9	868.8	864.3
27.5°	7705.2	7117.1	4386.1	1603.9	940.0	904.4	855.4	808.6	788.6	784.1	779.7
30°	7956.9	7134.9	3829.2	1196.2	871.0	826.4	755.1	701.7	690.5	692.8	692.8
32.5°	8264.3	7161.6	3267.9	980.1	813.1	732.9	648.2	592.5	583.6	592.5	590.3
35°	8631.8	7215.1	2726.6	902.2	761.8	637.1	545.8	499.0	490.1	496.7	494.5
37.5°	9130.8	7302.0	2220.9	886.6	719.5	556.9	458.9	421.0	421.0	423.2	421.0
40°	9794.6	7533.7	1768.7	875.4	697.2	496.7	387.6	372.0	378.7	383.1	383.1
42.5°	10603.3	8025.9	1463.5	862.1	672.7	470.0	352.0	345.3	356.4	360.9	360.9
45°	11509.9	8649.7	1356.6	839.8	650.5	487.8	336.4	327.5	340.8	343.0	345.3
47.5°	12447.7	9260.0	1343.2	815.3	628.2	514.6	331.9	311.9	327.5	329.7	331.9
50°	13396.6	9658.8	1356.6	777.4	592.5	514.6	334.1	296.3	309.6	316.3	318.5
52.5°	14352.3	9841.4	1347.7	695.0	530.2	483.4	334.1	282.9	296.3	300.7	300.7
55°	15278.9	9805.8	1211.8	572.5	450.0	427.7	325.2	271.8	280.7	282.9	282.9
57.5°	16011.8	9309.0	960.1	445.5	365.3	356.4	296.3	258.4	265.1	262.9	262.9
60°	16394.9	8217.5	686.1	343.0	287.4	280.7	260.6	240.6	245.0	233.9	231.7
62.5°	16399.4	6774.1	458.9	271.8	229.4	222.8	222.8	216.1	211.6	189.3	182.7
65°	16049.7	5172.4	305.2	216.1	184.9	173.8	187.1	184.9	169.3	138.1	133.7
67.5°	15256.7	3390.4	231.7	169.3	142.6	135.9	149.2	155.9	144.8	115.8	113.6
70°	13626.1	1973.6	191.6	131.4	106.9	100.2	120.3	133.7	120.3	93.6	89.1
72.5°	11318.3	1064.8	155.9	98.0	73.5	66.8	95.8	109.2	95.8	69.1	66.8
75°	7344.3	570.3	120.3	64.6	37.9	42.3	71.3	80.2	66.8	44.6	40.1
77.5°	2465.9	251.7	75.7	31.2	17.8	17.8	42.3	49.0	31.2	15.6	13.4
80°	550.2	104.7	31.2	13.4	6.7	6.7	8.9	8.9	4.5	0.0	0.0
82.5°	180.4	42.3	13.4	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	69.1	15.6	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	26.7	2.2	0.0	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)