

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P643317

Luminaire Tested: GWS-SA6E-760-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-760-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35584.4 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

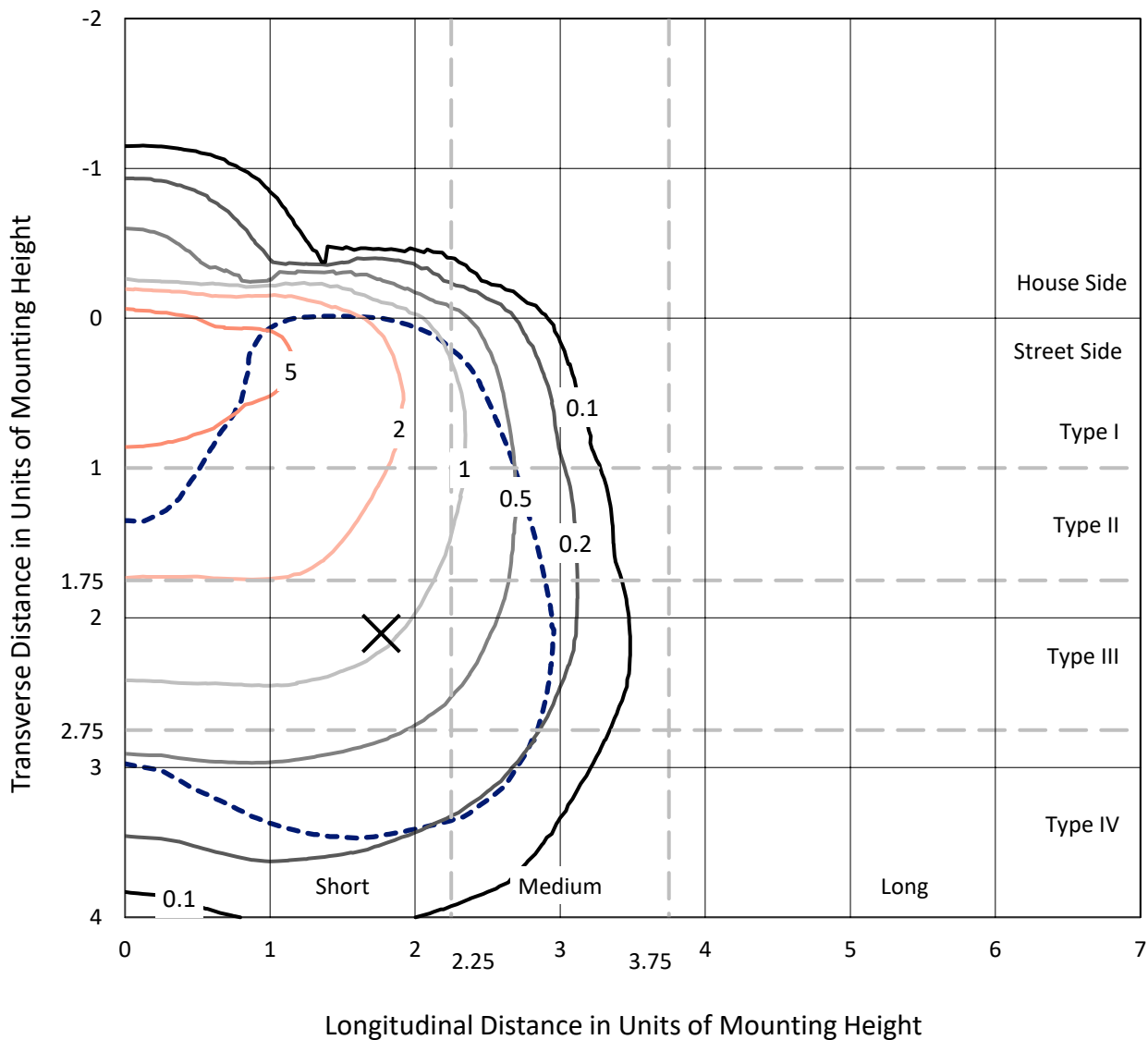
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

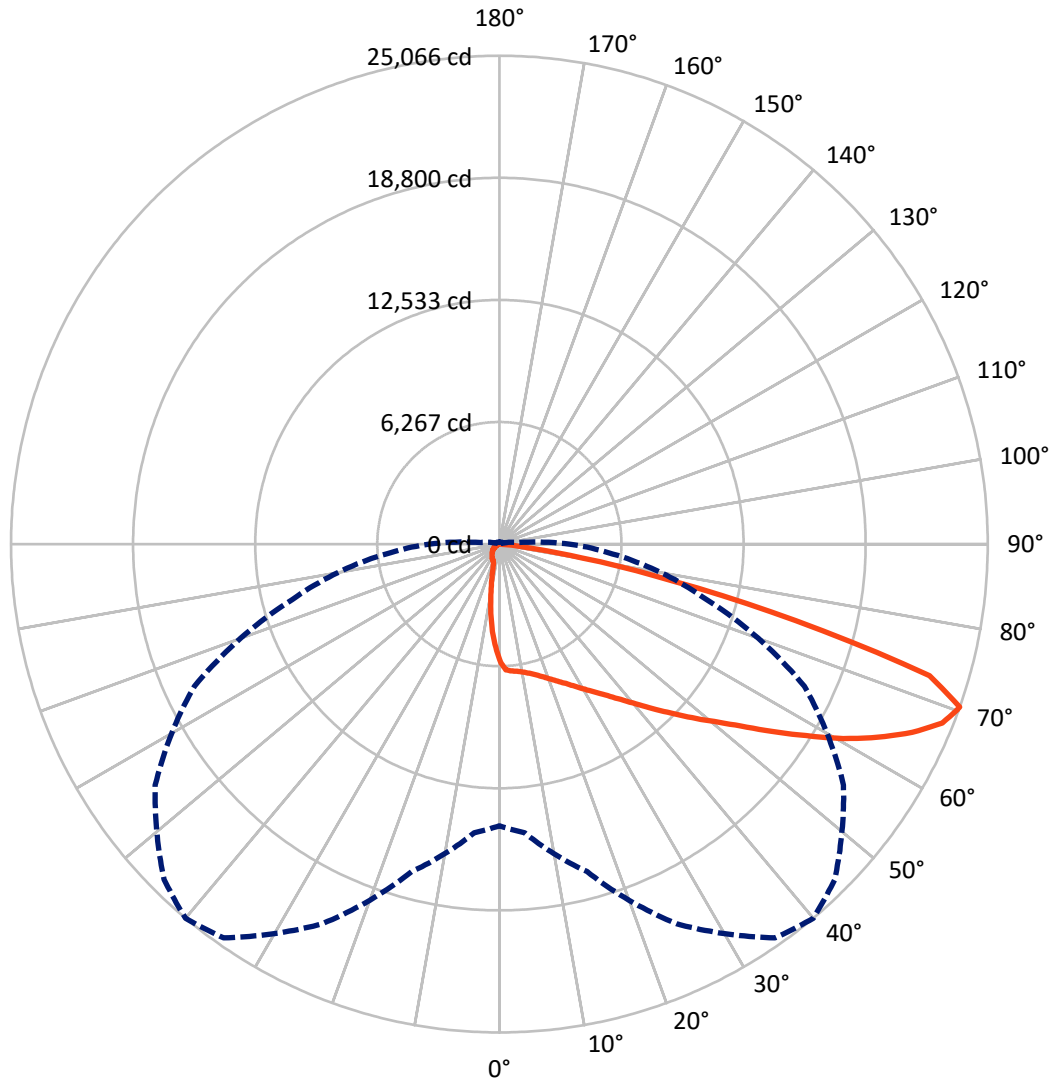
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2909.9	0.0	2909.9
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	32674.5	0.0	32674.5
	% Fixture	91.8	0.0	91.8
Total	Lumens	35584.4	0.0	35584.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	510.4	1.4
10°-20°	1294.4	3.6
20°-30°	2166.4	6.1
30°-40°	3402.5	9.6
40°-50°	5382.0	15.1
50°-60°	7851.0	22.1
60°-70°	9732.4	27.4
70°-80°	4924.0	13.8
80°-90°	321.5	0.9
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°	35584.4	100.0
0°-180°	35584.4	100.0

Coefficient of Utilization



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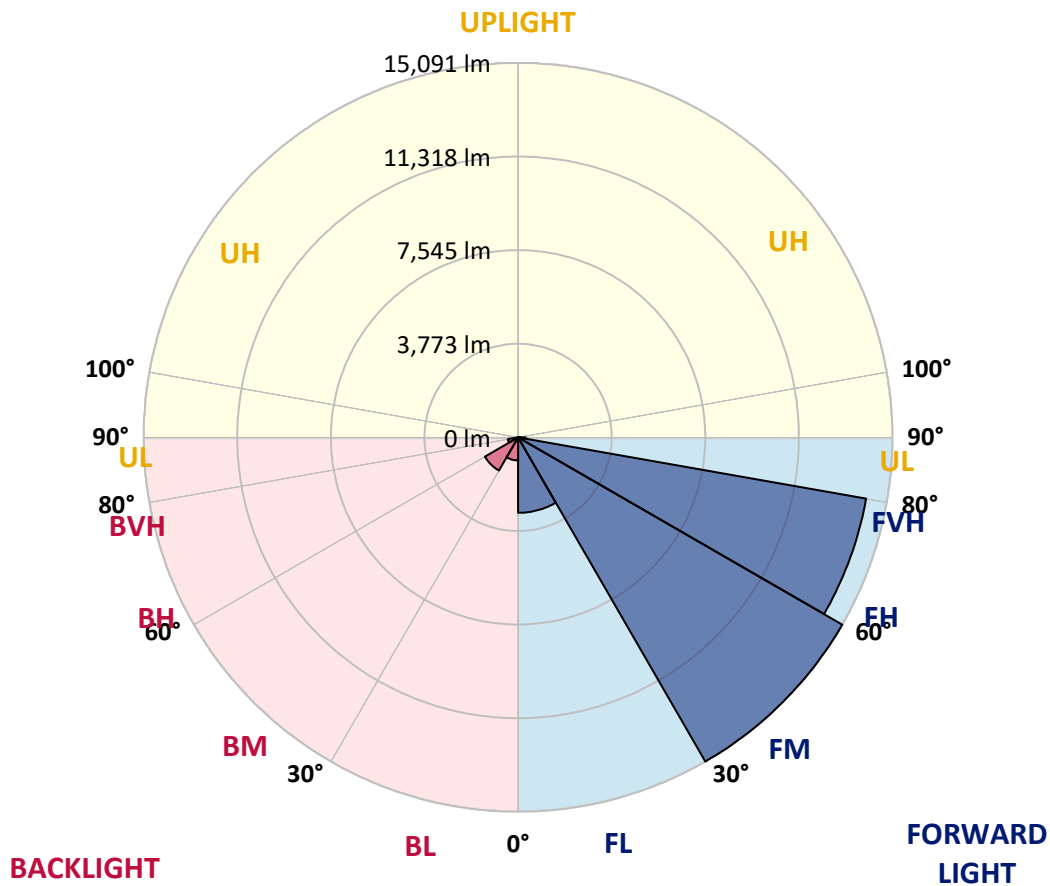
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3041.8	8.5			
FM (30°-60°)	15090.9	42.4			
FH (60°-80°)	14241.5	40.0			G5
FVH (80°-90°)	300.2	0.8			G3/500
BL (0°-30°)	929.3	2.6	B2/1000		
BM (30°-60°)	1544.5	4.3	B2/2500		
BH (60°-80°)	414.9	1.2	B1/500		G1/500
BVH (80°-90°)	21.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	6038.2	6038.2	6038.2	6038.2	6038.2	6038.2	6038.2	6038.2	6038.2	6038.2	6038.2
2.5°	6491.5	6514.2	6510.9	6520.7	6498.0	6462.4	6455.9	6407.3	6319.9	6209.8	6086.8
5°	6624.3	6650.2	6630.7	6621.0	6578.9	6540.1	6530.4	6478.6	6378.2	6229.3	6015.6
7.5°	6737.6	6744.1	6731.1	6708.4	6646.9	6595.1	6559.5	6488.3	6368.5	6219.6	5973.5
10°	6757.0	6753.8	6760.2	6763.5	6724.6	6679.3	6650.2	6553.0	6400.9	6242.2	5976.7
12.5°	6734.3	6734.3	6776.4	6825.0	6825.0	6802.3	6773.2	6685.8	6507.7	6319.9	6041.5
15°	6763.5	6773.2	6854.1	6944.8	6973.9	6951.3	6938.3	6847.7	6663.1	6455.9	6158.0
17.5°	6867.1	6876.8	7006.3	7142.3	7177.9	7152.0	7126.1	7035.4	6837.9	6611.3	6290.8
20°	7019.3	7045.2	7210.3	7385.1	7417.5	7385.1	7333.3	7207.0	7009.5	6779.7	6417.1
22.5°	7297.7	7313.9	7492.0	7676.5	7692.7	7640.9	7563.2	7388.4	7181.1	6957.7	6559.5
25°	7666.8	7689.5	7867.5	8045.6	8003.5	7925.8	7819.0	7621.5	7385.1	7168.2	6740.8
27.5°	8107.1	8133.0	8307.8	8463.3	8353.2	8262.5	8142.7	7896.7	7657.1	7459.6	6973.9
30°	8583.1	8605.7	8761.1	8900.3	8754.6	8647.8	8505.3	8252.8	8010.0	7861.1	7304.2
32.5°	9042.8	9039.6	9188.5	9301.8	9152.9	9068.7	8939.2	8683.4	8489.2	8424.4	7796.3
35°	9470.2	9470.2	9593.2	9706.5	9599.7	9554.4	9434.6	9230.6	9120.5	9198.2	8453.5
37.5°	9900.8	9878.1	9994.7	10120.9	10111.2	10114.5	10046.5	9949.3	9955.8	10231.0	9356.9
40°	10256.9	10247.2	10383.2	10548.3	10677.8	10781.4	10739.3	10775.0	10978.9	11493.7	10512.7
42.5°	10541.8	10564.5	10739.3	11001.6	11328.6	11539.0	11568.2	11713.9	12238.4	13034.8	11817.5
45°	10868.8	10872.1	11114.9	11516.4	12037.6	12371.1	12487.7	12863.2	13607.9	14634.2	13248.5
47.5°	11270.3	11231.5	11503.4	12066.8	12821.2	13313.3	13520.5	13990.0	15142.6	16194.8	14414.1
50°	11713.9	11642.6	11950.2	12717.5	13698.6	14313.7	14734.6	15421.0	16664.3	17476.9	15281.8
52.5°	12228.7	12160.7	12510.3	13465.5	14750.8	15498.7	16039.4	16732.3	17969.0	18454.7	15799.8
55°	12882.7	12814.7	13183.8	14362.3	15994.1	16965.4	17532.0	18114.7	19183.2	19176.7	16175.4
57.5°	13607.9	13514.0	14025.6	15495.5	17544.9	18555.1	19131.4	19416.3	20105.9	19736.8	16427.9
60°	14440.0	14355.8	15064.9	16845.6	19335.3	20271.0	20633.6	20517.1	20863.5	20067.1	16340.5
62.5°	15191.1	15152.3	16032.9	18276.6	21041.6	21831.6	21931.9	21423.6	21420.4	20073.5	15751.2
65°	15971.4	16045.9	17353.9	19924.6	22757.6	23288.5	23116.9	22323.7	21643.8	19280.3	14009.4
67.5°	16262.8	16479.7	18224.8	21413.9	24110.9	24525.3	24224.2	22773.7	20714.6	16612.5	10668.1
70°	14462.7	14870.6	17402.5	21498.1	24671.0	25066.0	24344.0	21562.9	17269.7	11004.8	5844.0
72.5°	10998.3	11474.3	14501.5	17603.2	22187.7	23087.8	21854.2	17567.6	11131.1	4820.9	1962.0
75°	6154.8	6669.6	10800.9	13255.0	14896.5	15718.9	15265.6	11270.3	4931.0	1259.5	586.0
77.5°	2081.8	2253.4	5024.9	8201.0	9832.8	9094.6	7699.2	5597.9	1813.1	479.2	310.8
80°	1233.6	1298.3	1871.4	4082.7	5173.8	4289.9	3386.6	2068.9	922.7	255.8	216.9
82.5°	369.1	437.1	1032.8	1515.2	2026.8	1262.7	1068.4	1181.7	479.2	139.2	181.3
85°	0.0	0.0	220.2	469.5	531.0	207.2	207.2	670.2	87.4	58.3	132.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.2	16.2	9.7	13.0	29.1
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°	6038.2	6038.2	6038.2	6038.2	6038.2	6038.2	6038.2	6038.2	6038.2	6038.2	6038.2
2.5°	5999.4	5886.1	5753.3	5627.1	5507.3	5351.9	5277.4	5186.7	5109.0	5066.9	5089.6
5°	5879.6	5701.5	5429.6	5154.4	4875.9	4613.7	4377.3	4218.7	4076.2	4001.8	4017.9
7.5°	5776.0	5536.4	5112.3	4662.2	4215.4	3765.4	3399.5	3114.6	2894.5	2803.8	2787.6
10°	5730.7	5429.6	4830.6	4183.1	3496.7	2891.2	2373.2	2059.2	1835.8	1725.7	1745.1
12.5°	5753.3	5374.5	4591.0	3713.6	2823.2	2117.4	1622.1	1327.4	1168.8	1104.0	1087.9
15°	5818.1	5361.6	4377.3	3234.4	2178.9	1479.6	1120.2	1000.4	968.1	961.6	961.6
17.5°	5892.6	5364.8	4157.2	2748.8	1654.4	1097.6	958.3	935.7	926.0	919.5	922.7
20°	5967.0	5364.8	3904.6	2256.7	1243.3	948.6	913.0	896.8	887.1	883.9	883.9
22.5°	6057.7	5364.8	3622.9	1800.1	997.2	900.1	870.9	861.2	851.5	848.3	845.0
25°	6167.8	5368.0	3312.1	1408.4	906.5	858.0	835.3	825.6	815.9	809.4	809.4
27.5°	6326.4	5394.0	2968.9	1097.6	854.7	819.1	799.7	790.0	780.3	770.6	770.6
30°	6556.3	5458.7	2583.7	906.5	806.2	777.0	757.6	751.1	741.4	731.7	728.5
32.5°	6899.5	5572.0	2185.4	812.7	760.9	731.7	709.0	702.6	692.9	683.1	679.9
35°	7378.6	5779.2	1796.9	754.4	702.6	673.4	660.5	657.2	644.3	634.6	634.6
37.5°	8081.2	6116.0	1424.6	696.1	654.0	631.3	615.2	608.7	595.7	586.0	582.8
40°	8939.2	6553.0	1107.3	650.8	608.7	586.0	569.8	560.1	543.9	531.0	524.5
42.5°	10033.5	7087.2	874.2	602.2	566.6	543.9	531.0	511.6	488.9	469.5	466.2
45°	11173.2	7637.7	722.0	556.9	527.7	508.3	492.1	466.2	433.8	411.2	404.7
47.5°	12047.4	7980.8	631.3	508.3	485.6	469.5	450.0	417.7	378.8	352.9	346.4
50°	12672.2	8032.6	563.4	463.0	450.0	433.8	404.7	365.9	323.8	297.9	291.4
52.5°	12979.8	7799.5	508.3	420.9	411.2	395.0	359.4	317.3	272.0	246.1	239.6
55°	13119.0	7359.2	456.5	385.3	372.3	352.9	314.1	268.7	223.4	200.7	194.3
57.5°	13064.0	6708.4	411.2	349.7	333.5	310.8	268.7	220.2	184.5	161.9	158.6
60°	12656.0	5795.4	365.9	314.1	294.6	268.7	226.6	181.3	148.9	132.7	129.5
62.5°	11775.4	4662.2	320.5	272.0	259.0	233.1	194.3	148.9	123.0	113.3	110.1
65°	9972.0	3295.9	275.2	229.9	223.4	197.5	161.9	123.0	106.8	100.4	97.1
67.5°	7168.2	2004.1	233.1	197.5	191.0	168.4	136.0	106.8	97.1	93.9	93.9
70°	3603.5	948.6	184.5	161.9	161.9	139.2	116.6	97.1	93.9	90.7	90.7
72.5°	1223.8	404.7	139.2	126.3	132.7	119.8	100.4	90.7	90.7	90.7	90.7
75°	417.7	213.7	97.1	90.7	97.1	97.1	87.4	87.4	90.7	90.7	90.7
77.5°	272.0	142.5	68.0	61.5	74.5	74.5	74.5	80.9	87.4	87.4	87.4
80°	223.4	77.7	45.3	42.1	55.0	55.0	61.5	74.5	80.9	80.9	80.9
82.5°	191.0	48.6	25.9	29.1	38.9	42.1	51.8	61.5	71.2	74.5	74.5
85°	129.5	25.9	19.4	22.7	25.9	32.4	42.1	51.8	58.3	64.8	64.8
87.5°	35.6	9.7	13.0	16.2	16.2	22.7	32.4	38.9	45.3	48.6	48.6
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)