

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: P643342

Luminaire Tested: GWS-SA6E-760-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643342
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-760-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35354.5 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

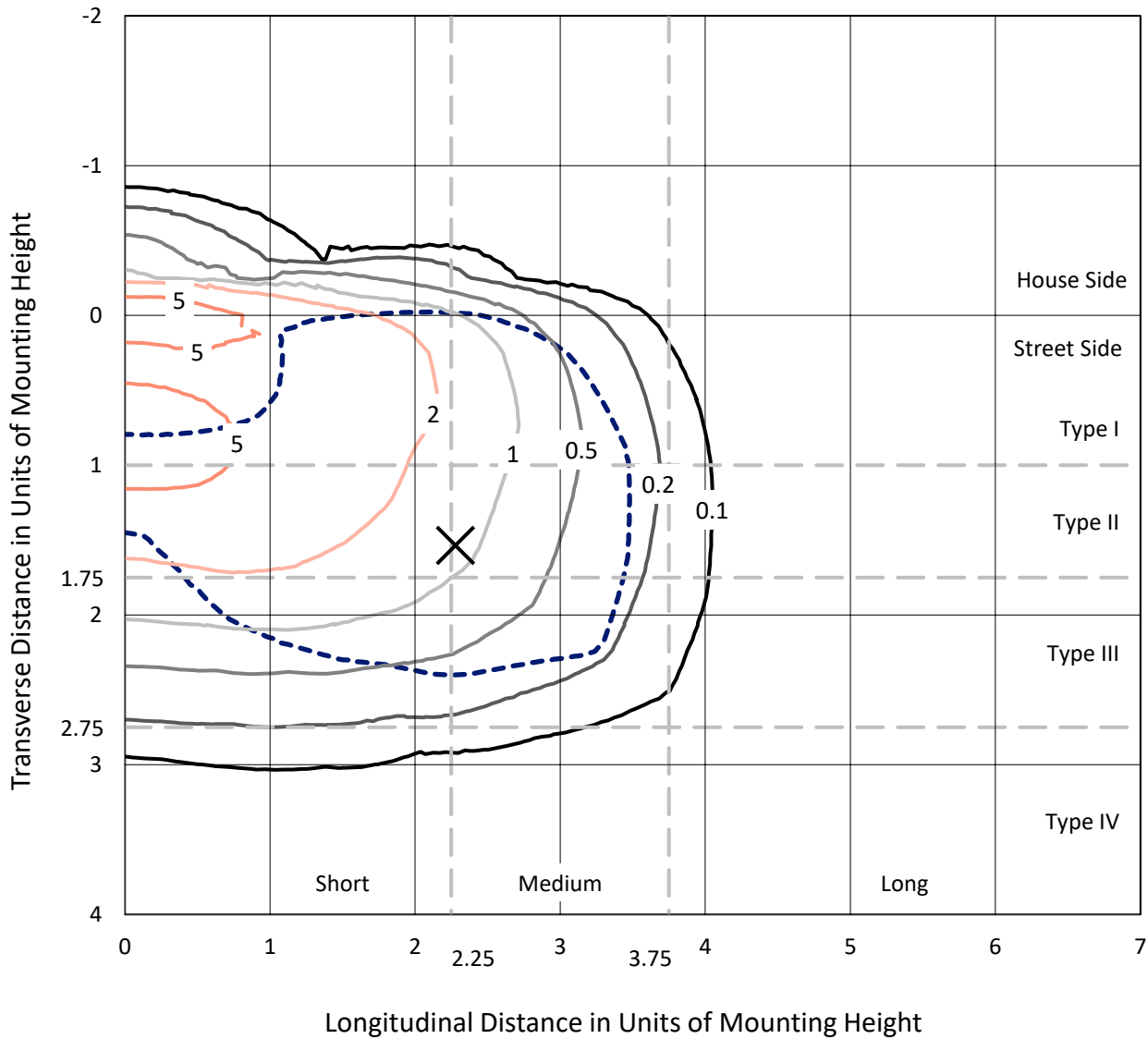
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

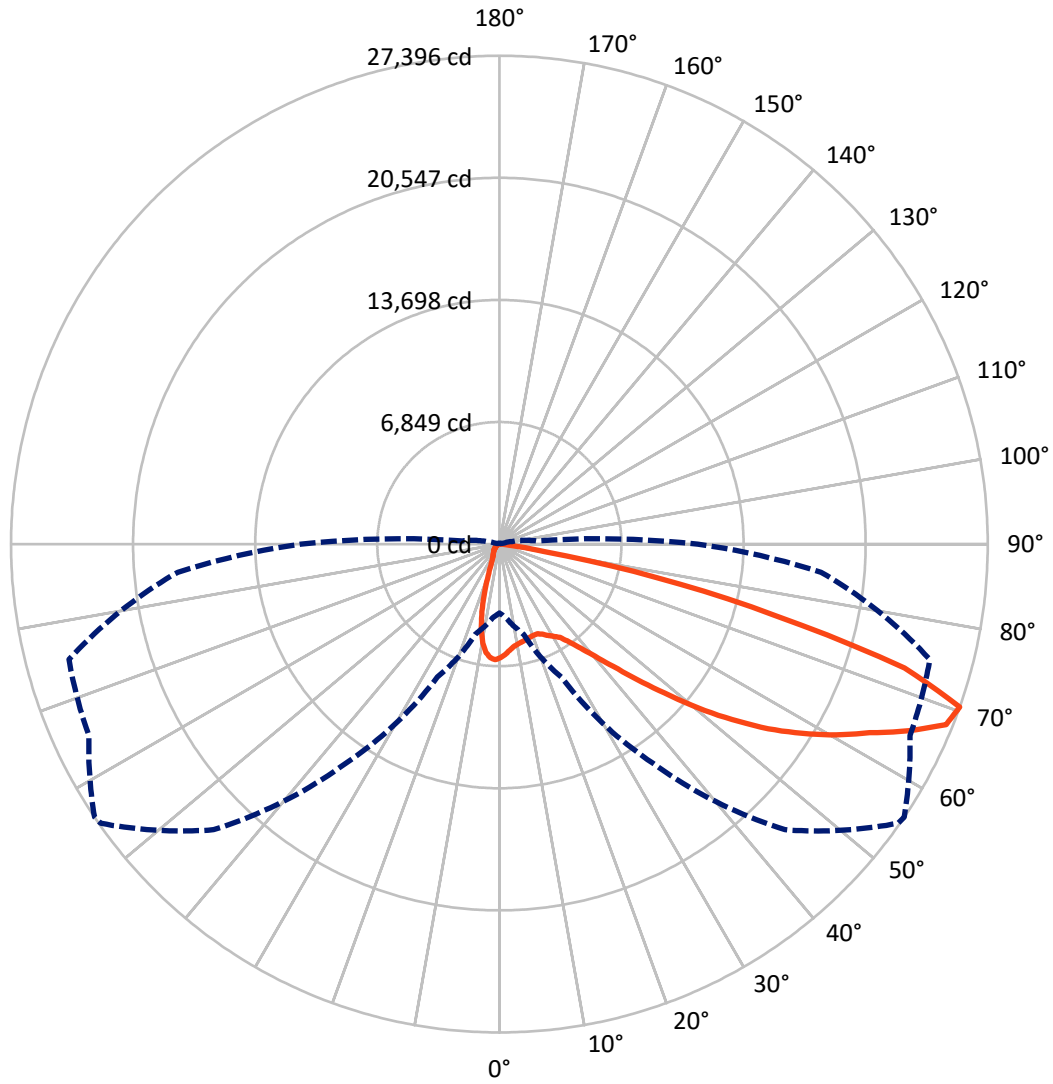
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3175.5	0.0	3175.5
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	32179.0	0.0	32179.0
	% Fixture	91.0	0.0	91.0
Total	Lumens	35354.5	0.0	35354.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	547.3	1.5
10°-20°	1231.0	3.5
20°-30°	1949.9	5.5
30°-40°	3362.6	9.5
40°-50°	5678.3	16.1
50°-60°	8343.3	23.6
60°-70°	9891.4	28.0
70°-80°	4218.1	11.9
80°-90°	132.5	0.4
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°	35354.5	100.0
0°-180°	35354.5	100.0

Coefficient of Utilization



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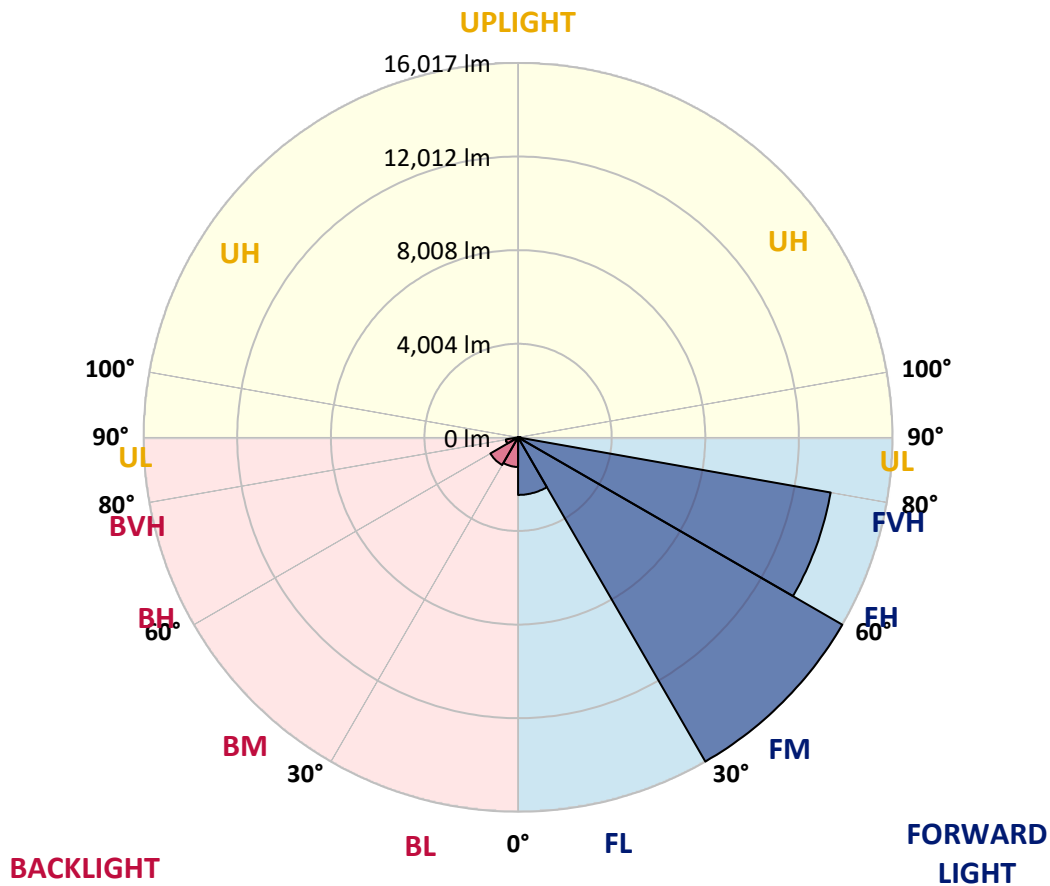
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2463.6	7.0			
FM (30°-60°)	16016.5	45.3			
FH (60°-80°)	13579.9	38.4			G5
FVH (80°-90°)	119.0	0.3			G2/225
BL (0°-30°)	1264.7	3.6	B3/2500		
BM (30°-60°)	1367.7	3.9	B2/2500		
BH (60°-80°)	529.6	1.5	B2/1000		G2/1000
BVH (80°-90°)	13.5	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-G5

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	6374.8	6374.8	6374.8	6374.8	6374.8	6374.8	6374.8	6374.8	6374.8	6374.8	6374.8
2.5°	5934.5	5924.8	5931.2	5979.8	6070.4	6112.5	6183.8	6196.7	6255.0	6329.4	6358.6
5°	5549.2	5516.8	5533.0	5601.0	5704.6	5821.1	5953.9	5989.5	6135.2	6300.3	6423.3
7.5°	5196.3	5160.7	5199.5	5306.4	5452.1	5578.3	5775.8	5798.5	6031.6	6323.0	6546.4
10°	4642.7	4652.4	4730.1	4917.9	5141.3	5403.5	5669.0	5701.4	5989.5	6397.4	6743.9
12.5°	4218.6	4195.9	4280.1	4493.7	4807.8	5189.8	5588.0	5630.1	5992.7	6510.7	6996.4
15°	4021.1	4014.6	4050.2	4205.6	4509.9	4960.0	5513.6	5568.6	6034.8	6614.4	7236.0
17.5°	4027.5	4017.8	4014.6	4105.2	4331.9	4788.4	5432.6	5503.9	6070.4	6727.7	7488.5
20°	4309.2	4263.9	4182.9	4140.8	4276.8	4678.3	5377.6	5458.5	6122.2	6847.5	7757.2
22.5°	4898.4	4914.6	4697.7	4471.1	4406.3	4691.2	5371.1	5465.0	6235.6	7035.2	8087.4
25°	6076.9	6051.0	5649.6	5141.3	4788.4	4840.2	5484.4	5597.8	6458.9	7304.0	8398.3
27.5°	7553.2	7575.9	7025.5	6216.1	5478.0	5147.7	5691.6	5805.0	6718.0	7472.3	8605.5
30°	9162.3	9139.7	8550.4	7653.6	6455.7	5659.3	5898.8	5999.2	6847.5	7563.0	8819.1
32.5°	10684.0	10632.2	10049.4	9110.5	7702.2	6465.4	6183.8	6242.0	7019.0	7760.5	9107.3
35°	11982.2	11979.0	11470.7	10470.3	8984.3	7475.5	6672.6	6721.2	7339.6	8074.5	9531.4
37.5°	13322.6	13277.3	12707.5	11794.5	10301.9	8582.8	7420.5	7401.1	7844.6	8537.5	10052.6
40°	14423.4	14394.2	13957.2	13079.8	11671.4	9806.6	8327.0	8268.7	8443.6	9178.5	10777.9
42.5°	15239.2	15242.5	15106.5	14572.3	13121.9	11221.4	9466.6	9376.0	9372.8	10146.5	11736.2
45°	15857.6	15899.7	16103.7	16022.7	14834.5	12869.3	10926.8	10832.9	10674.3	11402.7	12833.7
47.5°	16145.8	16200.8	16815.9	17139.7	16333.5	14504.3	12665.4	12467.9	12157.1	13073.3	14060.8
50°	16116.6	16213.7	17071.7	18055.9	17693.3	16161.9	14559.3	14465.5	13957.2	14841.0	15274.8
52.5°	15456.2	15663.4	17087.9	18612.8	18739.0	17690.1	16518.1	16343.2	16097.2	16686.4	16414.5
55°	13662.5	13915.1	16404.8	18790.8	19554.9	19024.0	18434.7	18292.3	17884.3	18428.2	17408.4
57.5°	12688.0	12904.9	14967.3	18703.4	20247.8	20257.5	20140.9	20024.4	19687.7	20150.6	18573.9
60°	12102.0	12318.9	14200.0	18382.9	20875.8	21559.0	21743.5	21730.6	21244.9	22109.4	19940.2
62.5°	11244.1	11541.9	13400.3	17550.9	21322.6	22841.0	23397.9	23310.5	22769.8	24149.0	21293.5
65°	9512.0	9771.0	11762.1	16178.1	21060.4	23903.0	25191.5	25236.8	24612.0	26068.9	22361.9
67.5°	6669.4	6860.4	8838.6	13296.7	19279.7	24252.6	27027.2	27024.0	25958.8	27053.1	21889.2
70°	3865.7	4127.9	5222.2	8220.2	14999.7	22663.0	27302.4	27396.3	25411.7	24997.3	18114.2
72.5°	1495.8	1712.7	2959.1	4367.5	7822.0	17359.8	23485.3	23760.5	21267.6	19283.0	12607.1
75°	446.8	498.6	1392.2	2324.6	3140.4	8385.3	15899.7	15977.4	14588.5	12027.6	6462.2
77.5°	333.5	369.1	608.7	1175.2	1100.8	2541.5	8226.7	8984.3	7744.3	4296.3	1780.7
80°	226.6	268.7	433.8	573.0	407.9	676.7	2311.6	2538.3	2363.4	964.8	446.8
82.5°	100.4	129.5	307.6	288.1	148.9	194.3	712.3	757.6	488.9	291.4	155.4
85°	9.7	13.0	116.6	126.3	55.0	45.3	148.9	148.9	106.8	100.4	64.8
87.5°	0.0	0.0	3.2	6.5	6.5	9.7	13.0	16.2	19.4	25.9	32.4
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°	6374.8	6374.8	6374.8	6374.8	6374.8	6374.8	6374.8	6374.8	6374.8	6374.8	6374.8
2.5°	6433.0	6394.2	6442.8	6481.6	6491.3	6420.1	6378.0	6316.5	6303.5	6306.8	6290.6
5°	6520.5	6501.0	6536.7	6494.6	6384.5	6177.3	5999.2	5801.7	5694.9	5633.4	5626.9
7.5°	6682.3	6672.6	6633.8	6442.8	6099.6	5639.8	5196.3	4762.5	4493.7	4396.6	4380.4
10°	6921.9	6902.5	6743.9	6290.6	5558.9	4675.0	3930.4	3308.8	2930.0	2819.9	2683.9
12.5°	7197.1	7158.3	6811.8	5963.6	4743.0	3519.2	2590.1	1894.0	1567.0	1469.9	1469.9
15°	7462.6	7378.4	6773.0	5422.9	3739.4	2289.0	1447.2	1094.3	993.9	968.0	968.0
17.5°	7734.6	7572.7	6620.8	4684.8	2583.6	1353.3	964.8	896.8	883.9	887.1	890.3
20°	7990.3	7737.8	6352.1	3797.7	1647.9	945.4	864.4	848.2	841.8	848.2	845.0
22.5°	8268.7	7890.0	5944.2	2829.6	1071.6	851.5	822.3	809.4	802.9	812.6	812.6
25°	8543.9	8000.0	5403.5	1903.7	851.5	793.2	777.0	764.1	757.6	760.8	760.8
27.5°	8686.4	7957.9	4694.5	1214.1	764.1	734.9	718.7	702.6	692.8	689.6	692.8
30°	8783.5	7828.4	3826.8	864.4	692.8	657.2	641.0	628.1	602.2	586.0	592.5
32.5°	8935.7	7698.9	2884.7	725.2	634.6	579.5	553.6	521.2	485.6	469.4	469.4
35°	9117.0	7520.9	2023.5	654.0	573.0	514.8	466.2	411.2	369.1	356.1	356.1
37.5°	9356.6	7352.5	1346.8	605.4	521.2	459.7	391.7	327.0	281.7	275.2	272.0
40°	9715.9	7210.1	948.6	569.8	475.9	401.5	320.5	252.5	220.2	210.4	210.4
42.5°	10182.2	7064.4	751.1	534.2	437.1	346.4	255.8	200.7	174.8	168.4	165.1
45°	10758.4	6892.8	654.0	501.8	398.2	288.1	204.0	168.4	148.9	142.5	142.5
47.5°	11383.3	6659.7	608.7	459.7	352.9	233.1	171.6	145.7	136.0	132.7	129.5
50°	11998.4	6345.6	569.8	420.9	301.1	191.0	148.9	132.7	126.3	123.0	123.0
52.5°	12535.9	5979.8	521.2	375.6	246.1	165.1	132.7	123.0	116.6	110.1	106.8
55°	12995.6	5581.6	459.7	323.8	200.7	145.7	123.0	113.3	106.8	100.4	97.1
57.5°	13588.1	5354.9	369.1	262.2	165.1	129.5	113.3	103.6	97.1	87.4	87.4
60°	14245.3	5189.8	275.2	207.2	142.5	119.8	103.6	93.9	87.4	77.7	77.7
62.5°	14773.0	4943.8	216.9	168.4	123.0	106.8	93.9	84.2	77.7	68.0	68.0
65°	14973.8	4435.5	178.1	132.7	100.4	93.9	84.2	77.7	68.0	58.3	58.3
67.5°	14067.2	3418.9	148.9	106.8	84.2	80.9	74.5	71.2	58.3	51.8	48.6
70°	11140.5	2085.0	123.0	87.4	71.2	68.0	68.0	61.5	51.8	48.6	45.3
72.5°	7634.2	1074.9	100.4	71.2	61.5	61.5	58.3	55.0	48.6	45.3	45.3
75°	3966.0	359.4	77.7	55.0	48.6	51.8	51.8	48.6	45.3	45.3	42.1
77.5°	1136.4	161.9	58.3	42.1	38.9	38.9	42.1	42.1	42.1	38.9	38.9
80°	294.6	93.9	42.1	32.4	32.4	32.4	32.4	35.6	38.9	35.6	35.6
82.5°	119.8	51.8	29.1	25.9	25.9	25.9	25.9	29.1	32.4	32.4	32.4
85°	74.5	25.9	22.7	22.7	22.7	19.4	19.4	22.7	22.7	25.9	25.9
87.5°	45.3	19.4	19.4	19.4	19.4	16.2	16.2	16.2	16.2	16.2	16.2
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)