

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: P635831

Luminaire Tested: GWS-SA3E-750-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-750-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17832.5 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

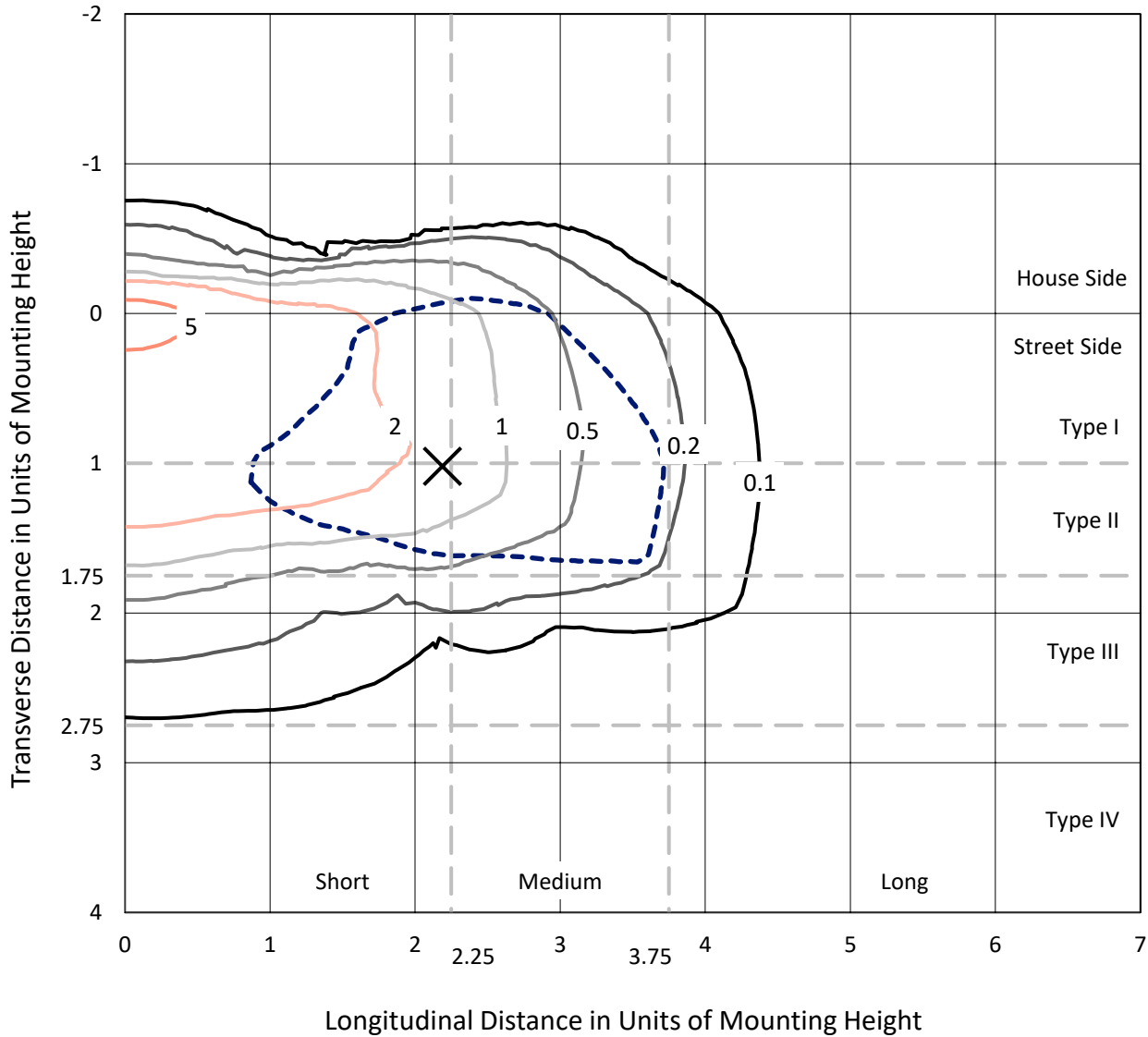
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

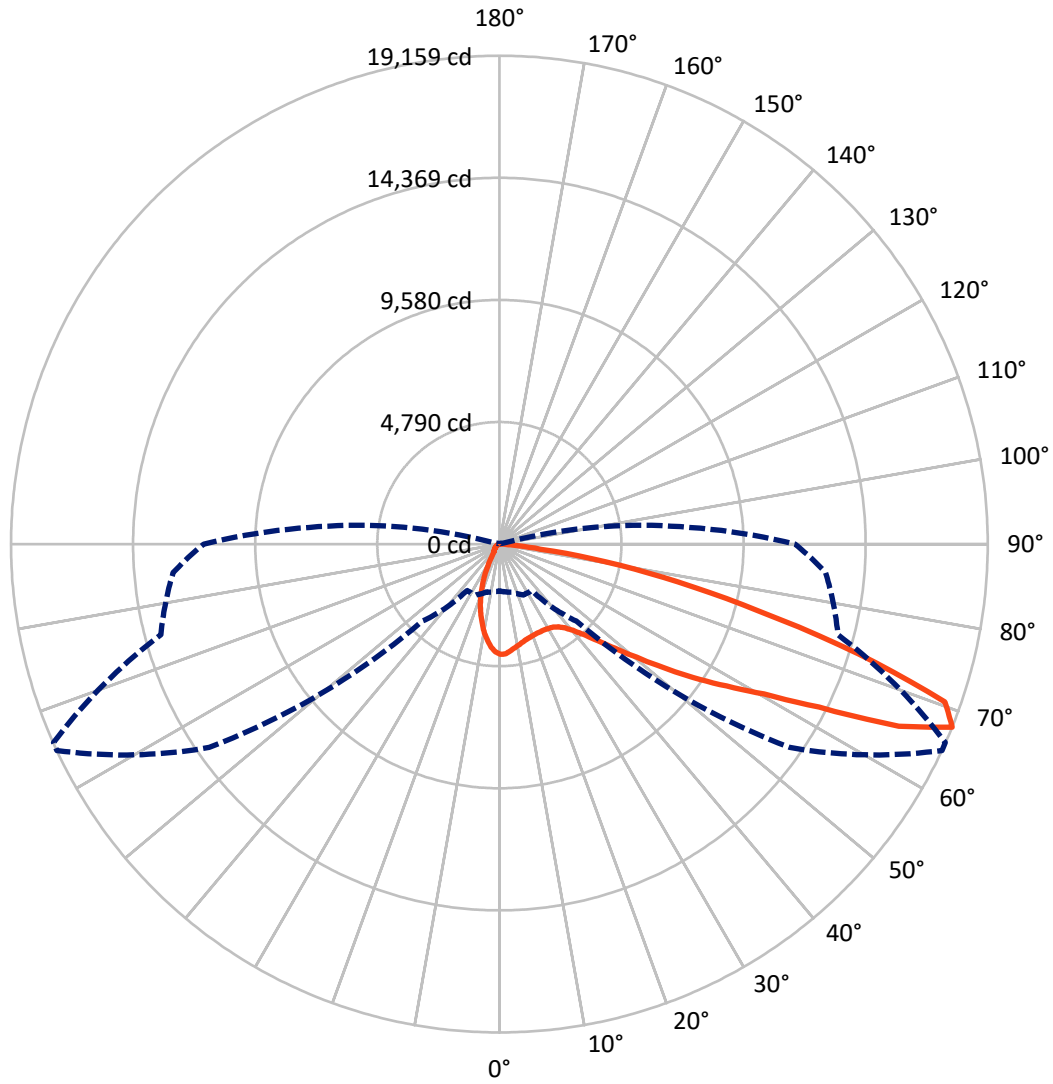
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2226.8	0.0	2226.8
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	15605.8	0.0	15605.8
	% Fixture	87.5	0.0	87.5
Total	Lumens	17832.5	0.0	17832.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.2	2.0
10°-20°	807.5	4.5
20°-30°	1153.9	6.5
30°-40°	1678.7	9.4
40°-50°	2629.1	14.7
50°-60°	4101.5	23.0
60°-70°	4505.3	25.3
70°-80°	2397.7	13.4
80°-90°	199.6	1.1
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°	17832.5	100.0
0°-180°	17832.5	100.0

Coefficient of Utilization



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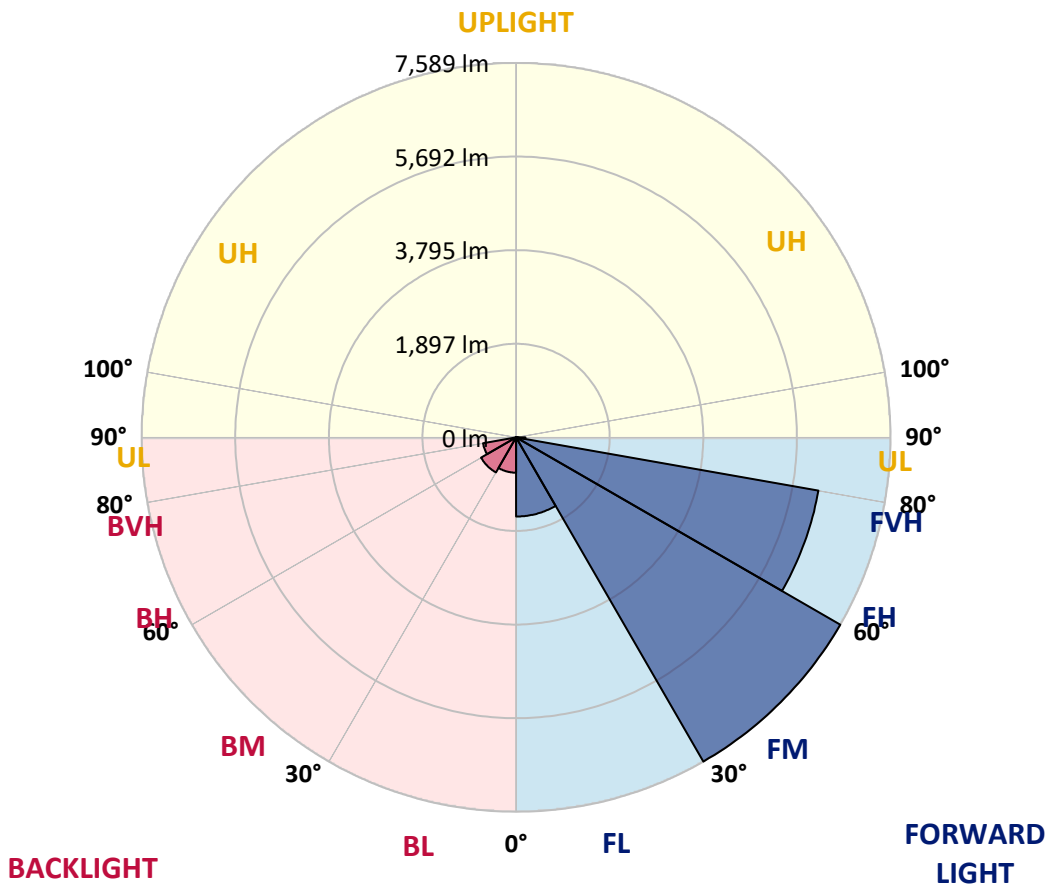
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1604.8	9.0			
FM (30°-60°)	7589.1	42.6			
FH (60°-80°)	6222.9	34.9			G3/7500
FVH (80°-90°)	188.9	1.1			G2/225
BL (0°-30°)	715.7	4.0	B2/1000		
BM (30°-60°)	820.2	4.6	B1/1000		
BH (60°-80°)	680.1	3.8	B2/1000		G2/1000
BVH (80°-90°)	10.7	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4324.9	4324.9	4324.9	4324.9	4324.9	4324.9	4324.9	4324.9	4324.9	4324.9	4324.9
2.5°	4175.0	4187.9	4170.1	4213.7	4221.7	4270.1	4297.5	4316.9	4315.3	4339.5	4339.5
5°	3929.9	3942.8	3933.1	3979.9	4016.9	4092.7	4155.6	4228.2	4231.4	4305.6	4333.0
7.5°	3721.8	3723.5	3723.5	3781.5	3829.9	3923.4	4016.9	4128.2	4141.1	4255.6	4328.2
10°	3550.9	3555.7	3557.4	3623.5	3676.7	3789.6	3908.9	4042.7	4057.3	4212.1	4324.9
12.5°	3433.2	3434.8	3441.2	3510.6	3568.6	3686.4	3807.3	3960.5	3979.9	4162.1	4310.4
15°	3376.7	3373.5	3376.7	3434.8	3492.9	3605.7	3729.9	3894.4	3915.3	4120.1	4312.0
17.5°	3373.5	3368.7	3365.5	3409.0	3446.1	3546.1	3671.8	3850.8	3873.4	4100.8	4329.8
20°	3420.3	3417.1	3400.9	3420.3	3428.3	3510.6	3634.8	3817.0	3839.6	4097.6	4368.5
22.5°	3542.8	3534.8	3510.6	3492.9	3449.3	3497.7	3609.0	3792.8	3818.6	4105.6	4418.5
25°	3725.1	3721.8	3691.2	3647.7	3536.4	3517.0	3610.6	3792.8	3817.0	4115.3	4471.7
27.5°	3999.2	3979.9	3941.1	3865.4	3705.7	3592.8	3642.8	3802.5	3826.7	4128.2	4515.2
30°	4278.2	4276.6	4263.7	4186.3	3949.2	3738.0	3710.5	3828.3	3850.8	4139.5	4555.5
32.5°	4566.8	4571.7	4603.9	4544.3	4284.6	3954.0	3833.1	3881.5	3897.6	4162.1	4591.0
35°	4841.0	4850.6	4936.1	4957.1	4692.6	4281.4	4033.1	3987.9	3989.5	4212.1	4637.8
37.5°	5103.8	5136.1	5273.1	5374.7	5200.6	4678.1	4321.7	4168.5	4155.6	4312.0	4708.7
40°	5402.1	5463.4	5636.0	5808.5	5753.7	5202.2	4715.2	4445.9	4418.5	4495.9	4836.1
42.5°	5732.7	5798.8	6027.8	6269.7	6295.5	5835.9	5207.0	4850.6	4803.9	4805.5	5074.8
45°	6087.5	6176.2	6442.3	6790.6	6947.0	6542.2	5813.4	5397.3	5350.5	5281.2	5458.6
47.5°	6553.5	6630.9	6887.3	7288.9	7588.8	7300.2	6608.4	6100.4	6014.9	5913.3	6055.2
50°	6955.1	7022.8	7243.7	7746.8	8370.9	8277.4	7509.8	6979.3	6897.0	6724.5	6842.2
52.5°	7043.8	7097.0	7300.2	7866.2	8969.2	9511.0	8614.4	8041.9	7983.9	7664.6	7709.8
55°	6645.4	6726.1	6908.3	7537.2	9125.6	10717.2	10048.0	9240.1	9119.1	8609.6	8690.2
57.5°	5639.2	5782.7	5953.7	6771.2	8701.5	11359.0	12050.8	10509.2	10399.5	9519.1	9520.7
60°	4133.0	4249.2	4363.6	5111.9	7695.2	11315.5	13868.2	11934.7	11734.8	10262.5	10235.1
62.5°	3005.9	3065.5	3063.9	3330.0	5284.4	10570.5	14822.8	14082.7	13616.6	11057.5	10901.0
65°	2364.0	2362.4	2431.8	2518.9	2951.0	8159.7	14940.6	17219.1	16716.0	12123.4	11797.6
67.5°	1840.0	1875.4	1944.8	2201.2	2217.3	4270.1	13905.3	19159.1	19149.4	13750.5	12847.4
70°	1419.1	1467.4	1565.8	1939.9	2048.0	2389.8	10404.4	18544.7	18701.1	14477.8	12104.0
72.5°	911.1	907.9	1053.0	1567.4	1967.3	1991.5	5753.7	14730.9	14908.3	13113.5	9786.8
75°	509.6	512.8	595.0	959.5	1833.5	1873.8	2849.4	10504.4	10644.6	10223.8	7519.5
77.5°	200.0	206.4	279.0	504.7	1209.4	1673.9	1693.2	7163.1	7184.0	6335.8	4612.0
80°	80.6	85.5	141.9	312.8	736.9	1127.2	1209.4	4220.1	4134.7	2452.7	1341.7
82.5°	24.2	25.8	56.4	177.4	385.4	801.5	816.0	1619.0	1528.7	527.3	341.9
85°	1.6	1.6	12.9	54.8	137.1	201.6	543.4	527.3	467.6	132.2	151.6
87.5°	0.0	0.0	1.6	1.6	3.2	6.5	58.1	96.8	98.4	24.2	67.7
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°	4324.9	4324.9	4324.9	4324.9	4324.9	4324.9	4324.9	4324.9	4324.9	4324.9	4324.9
2.5°	4339.5	4281.4	4276.6	4231.4	4186.3	4129.8	4063.7	4015.3	3981.5	3921.8	3910.5
5°	4333.0	4255.6	4183.0	4054.0	3910.5	3755.7	3620.2	3494.5	3415.4	3362.2	3339.7
7.5°	4320.1	4221.7	4054.0	3810.5	3570.3	3299.3	3088.1	2894.6	2762.4	2684.9	2651.1
10°	4310.4	4178.2	3905.7	3536.4	3163.9	2789.8	2468.9	2181.8	2022.2	1896.4	1875.4
12.5°	4291.1	4115.3	3715.4	3215.5	2734.9	2238.3	1828.7	1477.1	1233.6	1124.0	1085.3
15°	4271.7	4049.2	3525.1	2876.8	2267.3	1654.5	1157.8	819.2	651.5	599.9	596.7
17.5°	4268.5	3989.5	3318.7	2555.9	1777.1	1083.7	659.5	530.5	495.1	482.2	482.2
20°	4278.2	3939.5	3115.5	2186.7	1294.9	659.5	491.8	459.6	438.6	427.3	427.3
22.5°	4287.9	3887.9	2920.4	1814.2	859.5	482.2	433.8	406.4	382.2	369.3	362.8
25°	4294.3	3831.5	2704.3	1440.0	561.2	419.3	380.6	345.1	316.1	299.9	299.9
27.5°	4292.7	3763.8	2486.6	1074.0	435.4	372.5	325.7	288.7	259.6	241.9	243.5
30°	4279.8	3689.6	2260.8	749.9	380.6	325.7	279.0	240.3	211.2	196.7	195.1
32.5°	4270.1	3610.6	1999.6	527.3	341.9	285.4	237.0	200.0	175.8	164.5	162.9
35°	4258.8	3533.2	1751.3	401.5	308.0	246.7	200.0	169.3	150.0	140.3	140.3
37.5°	4262.1	3452.5	1482.0	345.1	274.1	214.5	170.9	145.1	129.0	119.3	117.7
40°	4312.0	3404.2	1217.5	312.8	243.5	185.4	148.4	125.8	109.7	100.0	98.4
42.5°	4436.2	3405.8	964.3	288.7	216.1	158.0	129.0	108.0	93.5	82.2	80.6
45°	4684.5	3473.5	740.2	262.9	187.1	137.1	111.3	91.9	77.4	67.7	66.1
47.5°	5090.9	3675.1	561.2	240.3	162.9	119.3	95.1	77.4	64.5	56.4	54.8
50°	5737.6	4039.5	441.8	212.9	137.1	103.2	80.6	64.5	53.2	45.2	43.5
52.5°	6514.8	4586.2	379.0	188.7	117.7	90.3	69.3	53.2	43.5	37.1	35.5
55°	7408.2	5239.3	349.9	164.5	100.0	77.4	56.4	43.5	35.5	30.6	27.4
57.5°	8227.4	5827.9	348.3	140.3	85.5	66.1	46.8	37.1	30.6	24.2	22.6
60°	9025.6	6319.7	327.4	116.1	74.2	54.8	40.3	30.6	25.8	21.0	19.4
62.5°	9749.7	6719.6	274.1	93.5	62.9	45.2	33.9	27.4	22.6	17.7	17.7
65°	10659.2	7229.2	209.6	75.8	51.6	37.1	29.0	24.2	21.0	16.1	16.1
67.5°	11599.3	7498.5	150.0	62.9	41.9	32.3	25.8	22.6	17.7	14.5	14.5
70°	10506.0	6335.8	108.0	51.6	35.5	27.4	22.6	21.0	17.7	14.5	12.9
72.5°	8204.8	4568.4	80.6	40.3	30.6	25.8	21.0	19.4	16.1	12.9	12.9
75°	6084.3	2664.0	61.3	32.3	24.2	21.0	21.0	19.4	16.1	12.9	11.3
77.5°	3307.4	928.8	46.8	25.8	19.4	16.1	17.7	17.7	14.5	11.3	9.7
80°	875.6	254.8	32.3	19.4	16.1	12.9	12.9	16.1	12.9	9.7	9.7
82.5°	254.8	74.2	22.6	16.1	12.9	11.3	11.3	11.3	9.7	8.1	6.5
85°	124.2	27.4	16.1	12.9	11.3	9.7	8.1	8.1	6.5	4.8	4.8
87.5°	54.8	11.3	12.9	11.3	11.3	8.1	6.5	4.8	4.8	3.2	1.6
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)