

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: P641849

Luminaire Tested: GWS-SA6B-760-U-T2R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641849  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-760-U-T2R-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

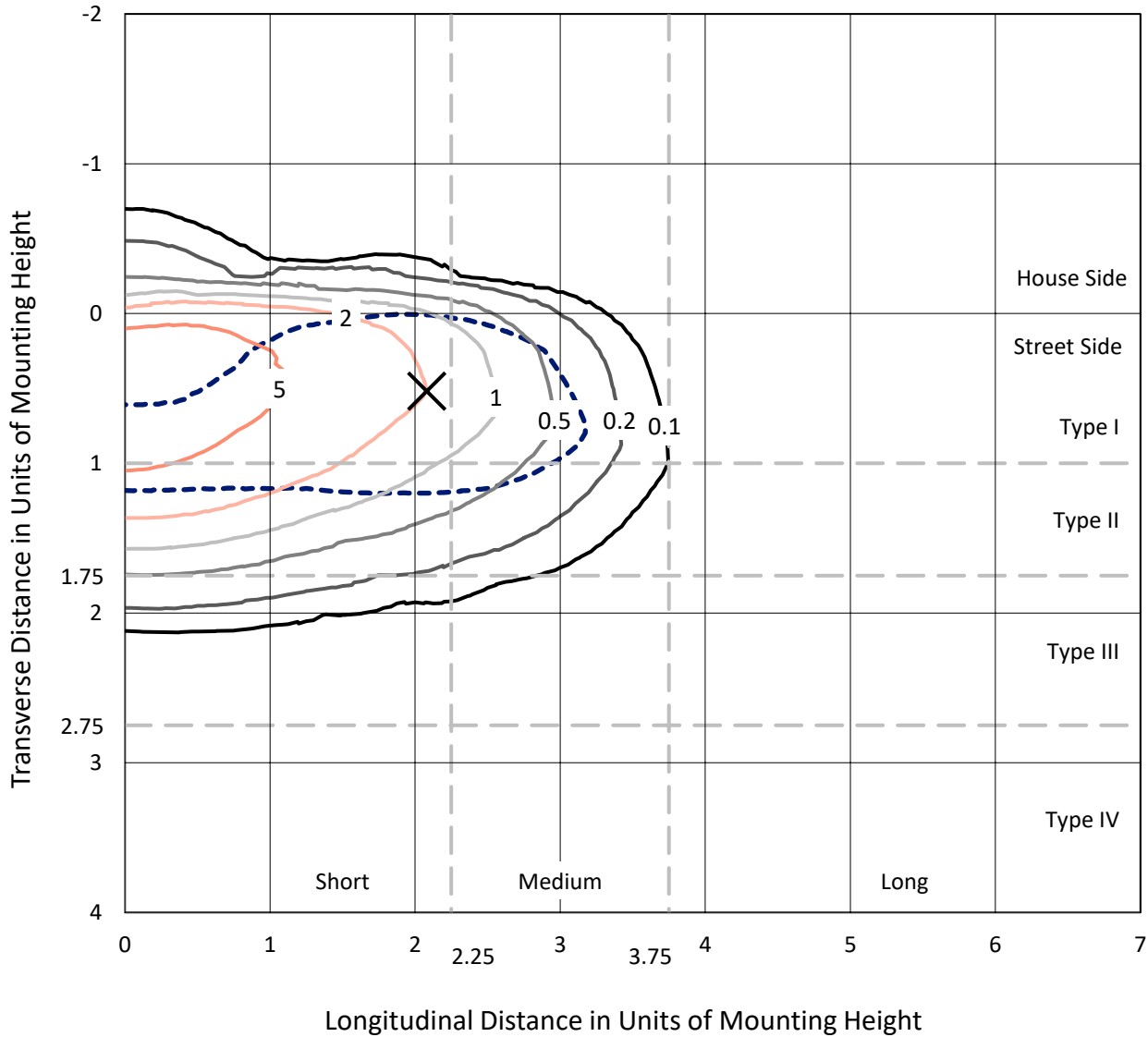
Lumens per Lamp: N/A  
Luminaire Lumens: 17227.2 lumens  
Efficiency: N/A  
Efficacy: 124.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

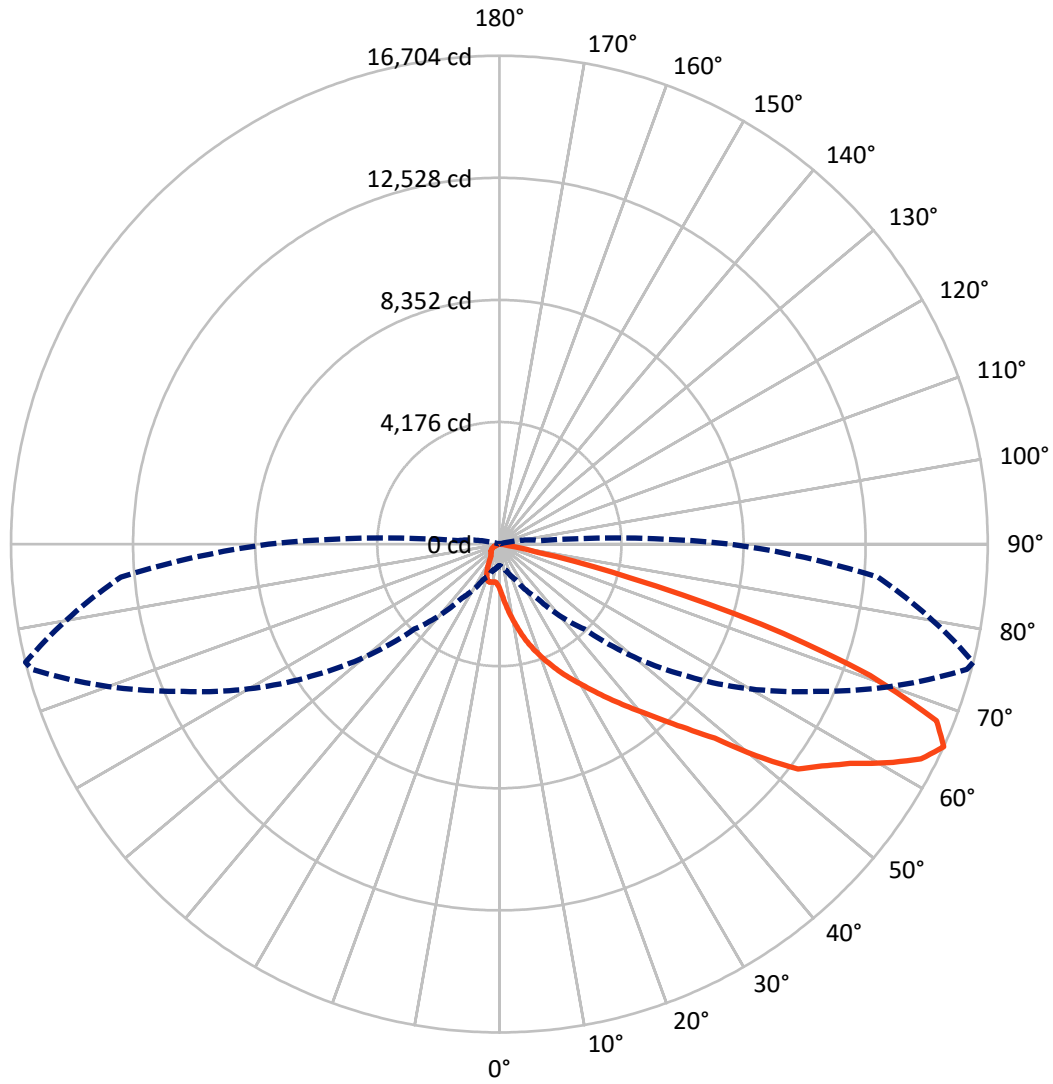
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	952.6	0.0	952.6
	% Fixture	5.5	0.0	5.5
<b>Street Side</b>	Lumens	16274.6	0.0	16274.6
	% Fixture	94.5	0.0	94.5
<b>Total</b>	Lumens	17227.2	0.0	17227.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.5	1.1
10°-20°	704.1	4.1
20°-30°	1436.4	8.3
30°-40°	2554.7	14.8
40°-50°	3776.5	21.9
50°-60°	4323.8	25.1
60°-70°	3298.8	19.1
70°-80°	924.1	5.4
80°-90°	23.3	0.1
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°	17227.2	100.0
0°-180°	17227.2	100.0

**Coefficient of Utilization**



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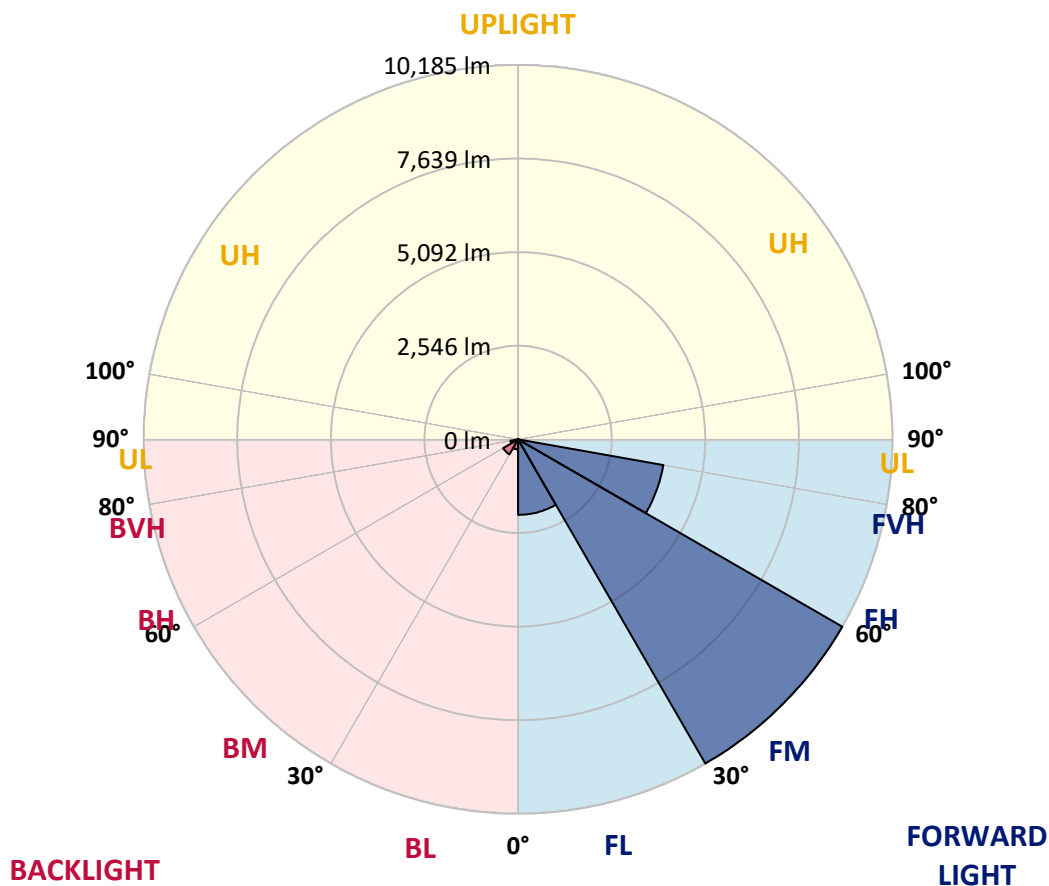
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2054.2	11.9			
FM (30°-60°)	10185.0	59.1			
FH (60°-80°)	4013.5	23.3			G2/5000
FVH (80°-90°)	21.9	0.1			G1/100
BL (0°-30°)	271.8	1.6	B1/500		
BM (30°-60°)	470.0	2.7	B1/1000		
BH (60°-80°)	209.4	1.2	B1/500		G1/500
BVH (80°-90°)	1.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2
2.5°	2350.6	2385.9	2358.3	2312.4	2223.5	2137.8	2027.5	1875.9	1754.9	1739.6	1626.3
5°	3174.5	3171.4	3111.7	3052.0	2958.6	2811.6	2589.5	2307.8	2036.7	2013.7	1759.5
7.5°	3664.5	3669.1	3635.5	3589.5	3497.6	3346.0	3114.8	2774.8	2378.2	2332.3	1941.8
10°	4076.5	4075.0	4050.4	4029.0	3946.3	3845.2	3597.2	3223.5	2745.7	2673.8	2145.4
12.5°	4385.8	4396.5	4408.8	4430.2	4395.0	4295.5	4061.2	3653.8	3117.9	3038.2	2378.2
15°	4630.8	4633.9	4679.8	4762.5	4791.6	4739.6	4526.7	4070.4	3485.4	3416.5	2646.2
17.5°	4704.3	4710.5	4788.6	4940.2	5093.3	5122.4	4961.6	4490.0	3846.8	3773.3	2906.5
20°	4859.0	4872.8	4931.0	5064.2	5257.2	5413.4	5350.6	4914.1	4208.2	4111.7	3173.0
22.5°	5346.0	5353.6	5333.7	5350.6	5450.1	5630.8	5669.1	5324.5	4578.8	4476.2	3460.9
25°	6183.6	6186.7	6047.3	5915.6	5840.6	5874.3	5958.5	5702.8	4946.3	4845.2	3728.9
27.5°	7053.4	7064.2	6897.2	6673.7	6405.7	6252.5	6228.0	6048.9	5316.9	5205.1	3993.8
30°	7872.7	7872.7	7696.6	7424.0	7065.7	6767.1	6591.0	6398.0	5713.5	5591.0	4264.8
32.5°	8609.3	8603.2	8378.1	8082.5	7728.8	7401.1	7030.5	6762.5	6154.5	6018.2	4577.2
35°	9217.3	9201.9	8946.2	8662.9	8284.7	8041.2	7627.7	7154.5	6632.3	6496.0	4898.8
37.5°	9676.7	9659.8	9425.5	9125.4	8774.7	8617.0	8270.9	7624.6	7136.1	7012.1	5255.6
40°	9926.3	9892.6	9730.3	9506.7	9212.7	9074.8	8930.9	8208.1	7728.8	7574.1	5676.8
42.5°	9999.8	9960.0	9852.8	9748.6	9571.0	9462.3	9616.9	8866.6	8379.6	8246.4	6157.6
45°	9782.3	9759.4	9750.2	9825.2	9857.4	9888.0	10269.3	9595.5	9097.8	8996.7	6762.5
47.5°	9258.6	9252.5	9333.6	9646.0	9986.0	10309.1	10978.3	10494.4	10028.9	9920.2	7607.8
50°	8290.8	8353.6	8580.2	9128.4	9808.4	10548.0	11641.4	11740.9	11535.7	11376.5	8710.4
52.5°	6777.8	6898.8	7407.2	8240.3	9217.3	10480.6	11947.7	12739.4	12949.2	12783.8	9500.6
55°	5318.4	5431.7	5885.0	6941.7	8244.8	9967.6	11961.5	13083.9	13541.8	13388.7	10035.0
57.5°	3961.6	4065.8	4477.7	5488.4	6921.8	8958.5	11633.7	13275.4	14244.7	14146.7	10878.8
60°	2589.5	2692.1	3064.3	3947.8	5369.0	7488.4	10826.7	13235.6	15201.8	15192.6	11915.5
62.5°	1436.4	1517.6	1787.1	2476.2	3747.2	5799.3	9558.8	12835.9	16128.3	16186.5	12770.0
65°	735.1	787.1	951.0	1361.4	2267.9	4111.7	7891.1	11920.1	16557.1	16704.1	12995.1
67.5°	480.8	497.7	537.5	707.5	1214.4	2586.5	5938.6	10451.5	15953.7	16125.2	12240.2
70°	390.5	404.3	427.2	471.7	626.3	1373.6	3900.4	8347.4	13330.5	13446.9	9747.1
72.5°	286.4	304.7	349.2	378.2	451.8	753.4	2029.1	5479.2	9154.5	9359.7	6125.4
75°	211.3	222.0	258.8	298.6	369.1	476.3	776.4	2880.5	4727.3	4607.9	2572.7
77.5°	127.1	134.8	165.4	191.4	263.4	297.1	271.1	1064.3	1437.9	1352.2	621.7
80°	62.8	70.4	108.7	143.9	168.4	119.4	113.3	297.1	320.1	320.1	156.2
82.5°	21.4	27.6	58.2	94.9	82.7	45.9	53.6	76.6	85.8	90.4	45.9
85°	0.0	0.0	13.8	27.6	12.3	6.1	13.8	16.8	21.4	23.0	15.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	4.6	6.1	6.1
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°	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2	1525.2
2.5°	1565.1	1493.1	1384.4	1286.3	1211.3	1140.9	1087.3	1044.4	1036.7	1012.2	1015.3
5°	1635.5	1505.3	1304.7	1150.1	1041.3	967.8	906.6	860.6	840.7	820.8	805.5
7.5°	1744.2	1555.9	1274.1	1085.7	958.6	845.3	750.4	673.8	637.0	614.1	598.8
10°	1877.4	1626.3	1275.6	1047.5	859.1	686.0	555.9	471.7	431.8	419.6	418.1
12.5°	2036.7	1715.1	1287.9	984.7	715.1	509.9	411.9	373.7	361.4	350.7	350.7
15°	2205.2	1814.7	1287.9	869.8	545.2	398.2	356.8	332.3	317.0	310.9	307.8
17.5°	2382.8	1908.1	1257.2	712.1	418.1	350.7	317.0	294.0	281.8	272.6	269.5
20°	2572.7	1996.9	1180.7	545.2	358.3	313.9	281.8	258.8	246.5	237.4	237.4
22.5°	2765.6	2079.6	1056.6	419.6	317.0	278.7	248.1	226.6	214.4	205.2	205.2
25°	2944.8	2134.7	897.4	346.1	286.4	248.1	220.5	199.1	185.3	179.2	176.1
27.5°	3111.7	2169.9	721.3	304.7	257.3	222.0	193.0	173.0	162.3	157.7	154.7
30°	3284.8	2179.1	551.3	277.2	232.8	196.0	168.4	153.1	143.9	137.8	137.8
32.5°	3453.2	2168.4	421.1	254.2	211.3	173.0	150.1	136.3	128.6	124.0	122.5
35°	3624.7	2119.4	341.5	234.3	189.9	151.6	133.2	122.5	117.9	111.8	111.8
37.5°	3811.6	2053.6	297.1	214.4	168.4	136.3	119.4	111.8	105.7	101.1	99.5
40°	4044.3	1977.0	272.6	197.5	148.5	122.5	107.2	99.5	94.9	90.4	88.8
42.5°	4320.0	1902.0	260.3	179.2	133.2	108.7	96.5	87.3	82.7	76.6	75.0
45°	4710.5	1885.1	246.5	159.3	119.4	98.0	84.2	75.0	68.9	64.3	62.8
47.5°	5338.3	1932.6	223.6	137.8	105.7	85.8	72.0	64.3	56.7	52.1	49.0
50°	5961.6	1920.3	200.6	119.4	93.4	73.5	61.3	53.6	45.9	41.3	39.8
52.5°	6301.6	1862.1	179.2	105.7	81.2	62.8	52.1	42.9	38.3	33.7	32.2
55°	6609.4	1839.2	157.7	91.9	68.9	55.1	42.9	35.2	32.2	27.6	26.0
57.5°	7212.7	1892.8	139.4	79.6	59.7	47.5	36.8	29.1	26.0	21.4	19.9
60°	7843.6	1898.9	119.4	68.9	52.1	39.8	29.1	23.0	19.9	15.3	13.8
62.5°	8172.9	1744.2	98.0	58.2	42.9	33.7	24.5	18.4	15.3	9.2	9.2
65°	7897.2	1410.4	82.7	47.5	33.7	26.0	18.4	13.8	9.2	4.6	1.5
67.5°	6989.1	1003.0	68.9	38.3	24.5	18.4	13.8	9.2	1.5	0.0	0.0
70°	5117.8	572.7	53.6	27.6	18.4	12.3	9.2	4.6	0.0	0.0	0.0
72.5°	3145.4	306.3	39.8	18.4	13.8	9.2	7.7	3.1	0.0	0.0	0.0
75°	1192.9	147.0	24.5	12.3	10.7	7.7	4.6	1.5	0.0	0.0	0.0
77.5°	323.1	72.0	13.8	9.2	7.7	4.6	3.1	0.0	0.0	0.0	0.0
80°	84.2	33.7	9.2	6.1	4.6	3.1	0.0	0.0	0.0	0.0	0.0
82.5°	29.1	15.3	4.6	4.6	3.1	1.5	0.0	0.0	0.0	0.0	0.0
85°	12.3	6.1	3.1	3.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.6	1.5	1.5	1.5	1.5	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)