

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: P641794

Luminaire Tested: GWS-SA6B-750-U-T2R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641794  
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-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

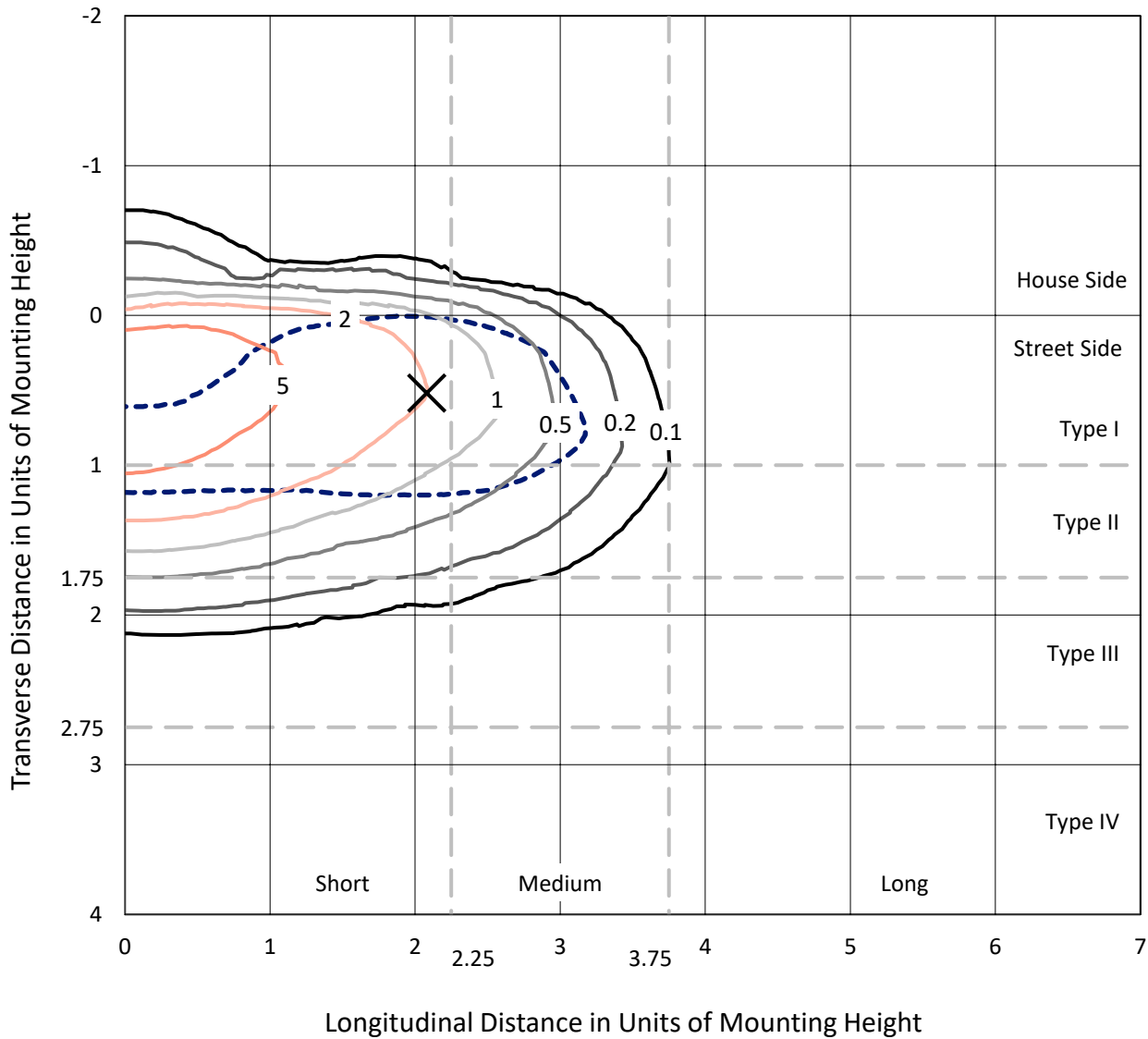
Lumens per Lamp: N/A  
Luminaire Lumens: 17466.5 lumens  
Efficiency: N/A  
Efficacy: 125.7 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

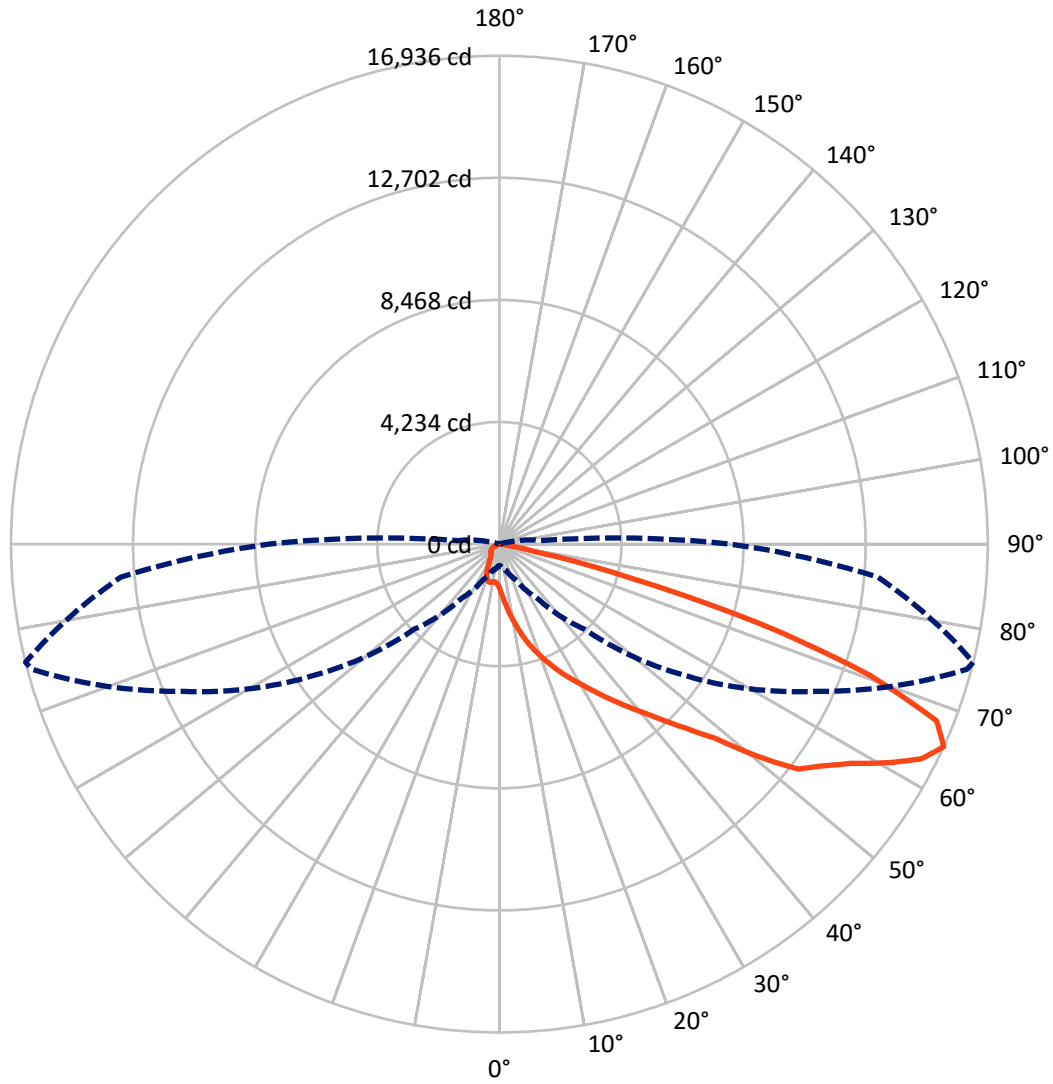
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 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	965.8	0.0	965.8
	% Fixture	5.5	0.0	5.5
<b>Street Side</b>	Lumens	16500.7	0.0	16500.7
	% Fixture	94.5	0.0	94.5
<b>Total</b>	Lumens	17466.5	0.0	17466.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	188.1	1.1
10°-20°	713.9	4.1
20°-30°	1456.4	8.3
30°-40°	2590.2	14.8
40°-50°	3828.9	21.9
50°-60°	4383.8	25.1
60°-70°	3344.7	19.1
70°-80°	936.9	5.4
80°-90°	23.6	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°	17466.5	100.0
0°-180°	17466.5	100.0

**Coefficient of Utilization**



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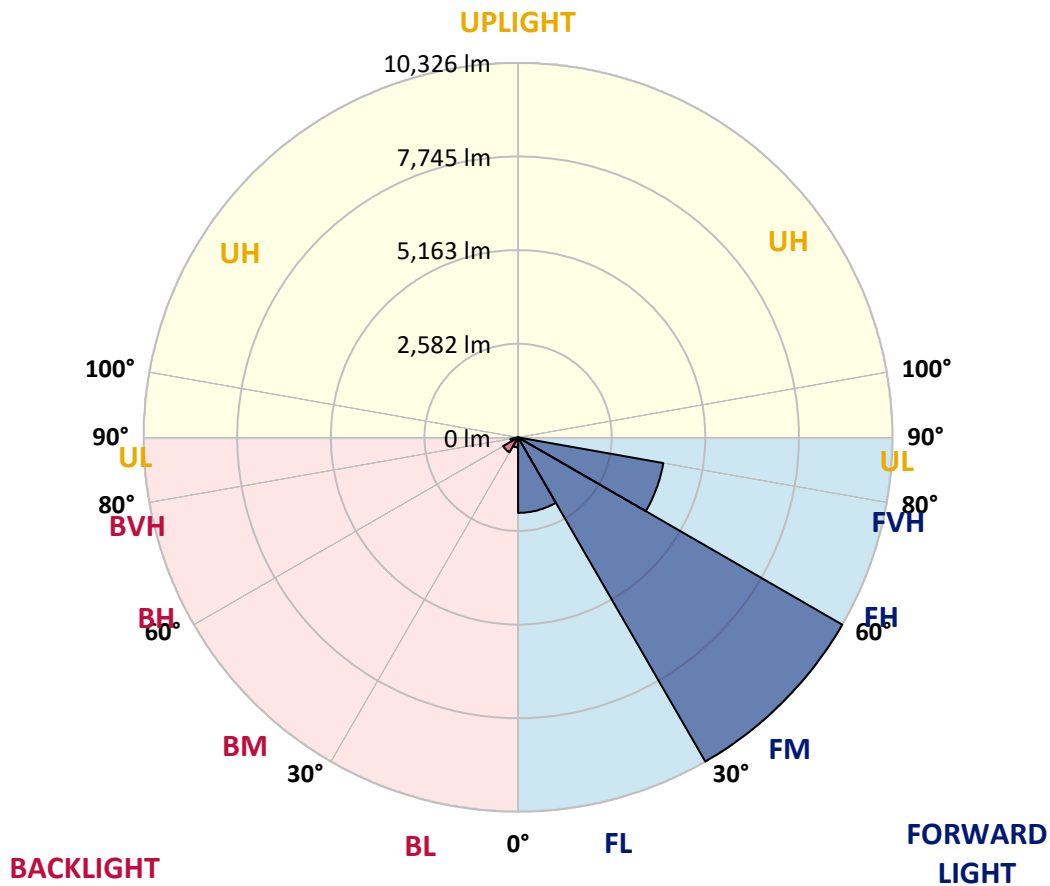
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2082.8	11.9			
FM (30°-60°)	10326.5	59.1			
FH (60°-80°)	4069.3	23.3			G2/5000
FVH (80°-90°)	22.2	0.1			G1/100
BL (0°-30°)	275.6	1.6	B1/500		
BM (30°-60°)	476.5	2.7	B1/1000		
BH (60°-80°)	212.3	1.2	B1/500		G1/500
BVH (80°-90°)	1.4	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°	1546.4	1546.4	1546.4	1546.4	1546.4	1546.4	1546.4	1546.4	1546.4	1546.4	1546.4
2.5°	2383.3	2419.0	2391.1	2344.5	2254.4	2167.5	2055.7	1902.0	1779.3	1763.8	1648.9
5°	3218.6	3215.5	3154.9	3094.4	2999.7	2850.6	2625.5	2339.8	2065.0	2041.7	1784.0
7.5°	3715.5	3720.1	3686.0	3639.4	3546.2	3392.5	3158.1	2813.4	2411.2	2364.7	1968.7
10°	4133.1	4131.6	4106.7	4085.0	4001.1	3898.7	3647.1	3268.3	2783.9	2710.9	2175.2
12.5°	4446.7	4457.6	4470.0	4491.8	4456.1	4355.1	4117.6	3704.6	3161.2	3080.4	2411.2
15°	4695.2	4698.3	4744.8	4828.7	4858.2	4805.4	4589.6	4126.9	3533.8	3463.9	2682.9
17.5°	4769.7	4775.9	4855.1	5008.8	5164.1	5193.6	5030.5	4552.3	3900.2	3825.7	2946.9
20°	4926.5	4940.5	4999.5	5134.6	5330.2	5488.6	5424.9	4982.4	4266.6	4168.8	3217.1
22.5°	5420.2	5428.0	5407.8	5424.9	5525.8	5709.0	5747.8	5398.5	4642.4	4538.3	3509.0
25°	6269.5	6272.6	6131.3	5997.8	5921.7	5955.9	6041.3	5782.0	5015.0	4912.5	3780.7
27.5°	7151.4	7162.3	6993.1	6766.4	6494.7	6339.4	6314.6	6132.9	5390.7	5277.4	4049.3
30°	7982.1	7982.1	7803.5	7527.2	7163.8	6861.1	6682.5	6486.9	5792.9	5668.7	4324.1
32.5°	8728.9	8722.7	8494.5	8194.8	7836.1	7503.9	7128.1	6856.4	6240.0	6101.8	4640.8
35°	9345.3	9329.8	9070.5	8783.2	8399.7	8152.9	7733.7	7253.9	6724.5	6586.3	4966.9
37.5°	9811.1	9794.0	9556.5	9252.1	8896.6	8736.7	8385.8	7730.6	7235.3	7109.5	5328.6
40°	10064.2	10030.0	9865.4	9638.7	9340.6	9200.9	9055.0	8322.1	7836.1	7679.3	5755.6
42.5°	10138.7	10098.3	9989.6	9884.1	9704.0	9593.7	9750.5	8989.7	8496.0	8360.9	6243.1
45°	9918.2	9894.9	9885.6	9961.7	9994.3	10025.4	10412.0	9728.8	9224.2	9121.7	6856.4
47.5°	9387.2	9381.0	9463.3	9780.0	10124.7	10452.3	11130.8	10640.2	10168.2	10058.0	7713.5
50°	8406.0	8469.6	8699.4	9255.2	9944.6	10694.5	11803.1	11904.0	11696.0	11534.5	8831.4
52.5°	6872.0	6994.6	7510.1	8354.7	9345.3	10626.2	12113.6	12916.4	13129.1	12961.4	9632.5
55°	5392.3	5507.2	5966.8	7038.1	8359.4	10106.1	12127.6	13265.7	13729.9	13574.7	10174.4
57.5°	4016.7	4122.2	4539.9	5564.6	7017.9	9082.9	11795.4	13459.8	14442.6	14343.2	11029.9
60°	2625.5	2729.5	3106.8	4002.7	5443.5	7592.4	10977.1	13419.4	15413.0	15403.7	12081.0
62.5°	1456.4	1538.7	1811.9	2510.6	3799.3	5879.8	9691.5	13014.2	16352.3	16411.3	12947.4
65°	745.3	798.1	964.2	1380.3	2299.4	4168.8	8000.7	12085.7	16787.1	16936.1	13175.6
67.5°	487.5	504.6	545.0	717.3	1231.2	2622.4	6021.1	10596.7	16175.3	16349.2	12410.2
70°	395.9	409.9	433.2	478.2	635.0	1392.7	3954.6	8463.4	13515.7	13633.7	9882.5
72.5°	290.3	309.0	354.0	383.5	458.0	763.9	2057.2	5555.3	9281.6	9489.7	6210.5
75°	214.3	225.1	262.4	302.8	374.2	482.9	787.2	2920.5	4793.0	4671.9	2608.4
77.5°	128.9	136.6	167.7	194.1	267.1	301.2	274.8	1079.1	1457.9	1371.0	630.4
80°	63.7	71.4	110.2	145.9	170.8	121.1	114.9	301.2	324.5	324.5	158.4
82.5°	21.7	27.9	59.0	96.3	83.8	46.6	54.3	77.6	86.9	91.6	46.6
85°	0.0	0.0	14.0	27.9	12.4	6.2	14.0	17.1	21.7	23.3	15.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.7	6.2	6.2
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°	1546.4	1546.4	1546.4	1546.4	1546.4	1546.4	1546.4	1546.4	1546.4	1546.4	1546.4
2.5°	1586.8	1513.8	1403.6	1304.2	1228.1	1156.7	1102.4	1058.9	1051.1	1026.3	1029.4
5°	1658.2	1526.2	1322.8	1166.0	1055.8	981.3	919.2	872.6	852.4	832.2	816.7
7.5°	1768.4	1577.5	1291.8	1100.8	971.9	857.1	760.8	683.2	645.9	622.6	607.1
10°	1903.5	1648.9	1293.3	1062.0	871.0	695.6	563.6	478.2	437.8	425.4	423.9
12.5°	2065.0	1738.9	1305.8	998.3	725.1	517.0	417.7	378.8	366.4	355.6	355.6
15°	2235.8	1839.9	1305.8	881.9	552.7	403.7	361.8	336.9	321.4	315.2	312.1
17.5°	2415.9	1934.6	1274.7	722.0	423.9	355.6	321.4	298.1	285.7	276.4	273.3
20°	2608.4	2024.6	1197.1	552.7	363.3	318.3	285.7	262.4	250.0	240.7	240.7
22.5°	2804.1	2108.5	1071.3	425.4	321.4	282.6	251.5	229.8	217.4	208.1	208.1
25°	2985.7	2164.4	909.8	350.9	290.3	251.5	223.6	201.8	187.9	181.7	178.6
27.5°	3154.9	2200.1	731.3	309.0	260.8	225.1	195.6	175.4	164.6	159.9	156.8
30°	3330.4	2209.4	558.9	281.0	236.0	198.7	170.8	155.3	145.9	139.7	139.7
32.5°	3501.2	2198.5	427.0	257.7	214.3	175.4	152.2	138.2	130.4	125.8	124.2
35°	3675.1	2148.8	346.2	237.6	192.5	153.7	135.1	124.2	119.6	113.3	113.3
37.5°	3864.5	2082.1	301.2	217.4	170.8	138.2	121.1	113.3	107.1	102.5	100.9
40°	4100.5	2004.4	276.4	200.3	150.6	124.2	108.7	100.9	96.3	91.6	90.1
42.5°	4380.0	1928.4	263.9	181.7	135.1	110.2	97.8	88.5	83.8	77.6	76.1
45°	4775.9	1911.3	250.0	161.5	121.1	99.4	85.4	76.1	69.9	65.2	63.7
47.5°	5412.5	1959.4	226.7	139.7	107.1	86.9	73.0	65.2	57.4	52.8	49.7
50°	6044.4	1947.0	203.4	121.1	94.7	74.5	62.1	54.3	46.6	41.9	40.4
52.5°	6389.1	1888.0	181.7	107.1	82.3	63.7	52.8	43.5	38.8	34.2	32.6
55°	6701.2	1864.7	159.9	93.2	69.9	55.9	43.5	35.7	32.6	27.9	26.4
57.5°	7312.9	1919.1	141.3	80.7	60.6	48.1	37.3	29.5	26.4	21.7	20.2
60°	7952.6	1925.3	121.1	69.9	52.8	40.4	29.5	23.3	20.2	15.5	14.0
62.5°	8286.4	1768.4	99.4	59.0	43.5	34.2	24.8	18.6	15.5	9.3	9.3
65°	8006.9	1430.0	83.8	48.1	34.2	26.4	18.6	14.0	9.3	4.7	1.6
67.5°	7086.2	1017.0	69.9	38.8	24.8	18.6	14.0	9.3	1.6	0.0	0.0
70°	5188.9	580.7	54.3	27.9	18.6	12.4	9.3	4.7	0.0	0.0	0.0
72.5°	3189.1	310.5	40.4	18.6	14.0	9.3	7.8	3.1	0.0	0.0	0.0
75°	1209.5	149.1	24.8	12.4	10.9	7.8	4.7	1.6	0.0	0.0	0.0
77.5°	327.6	73.0	14.0	9.3	7.8	4.7	3.1	0.0	0.0	0.0	0.0
80°	85.4	34.2	9.3	6.2	4.7	3.1	0.0	0.0	0.0	0.0	0.0
82.5°	29.5	15.5	4.7	4.7	3.1	1.6	0.0	0.0	0.0	0.0	0.0
85°	12.4	6.2	3.1	3.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.7	1.6	1.6	1.6	1.6	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)