

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: P642014

Luminaire Tested: GWS-SA6C-722-U-T2R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642014  
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-SA6C-722-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) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

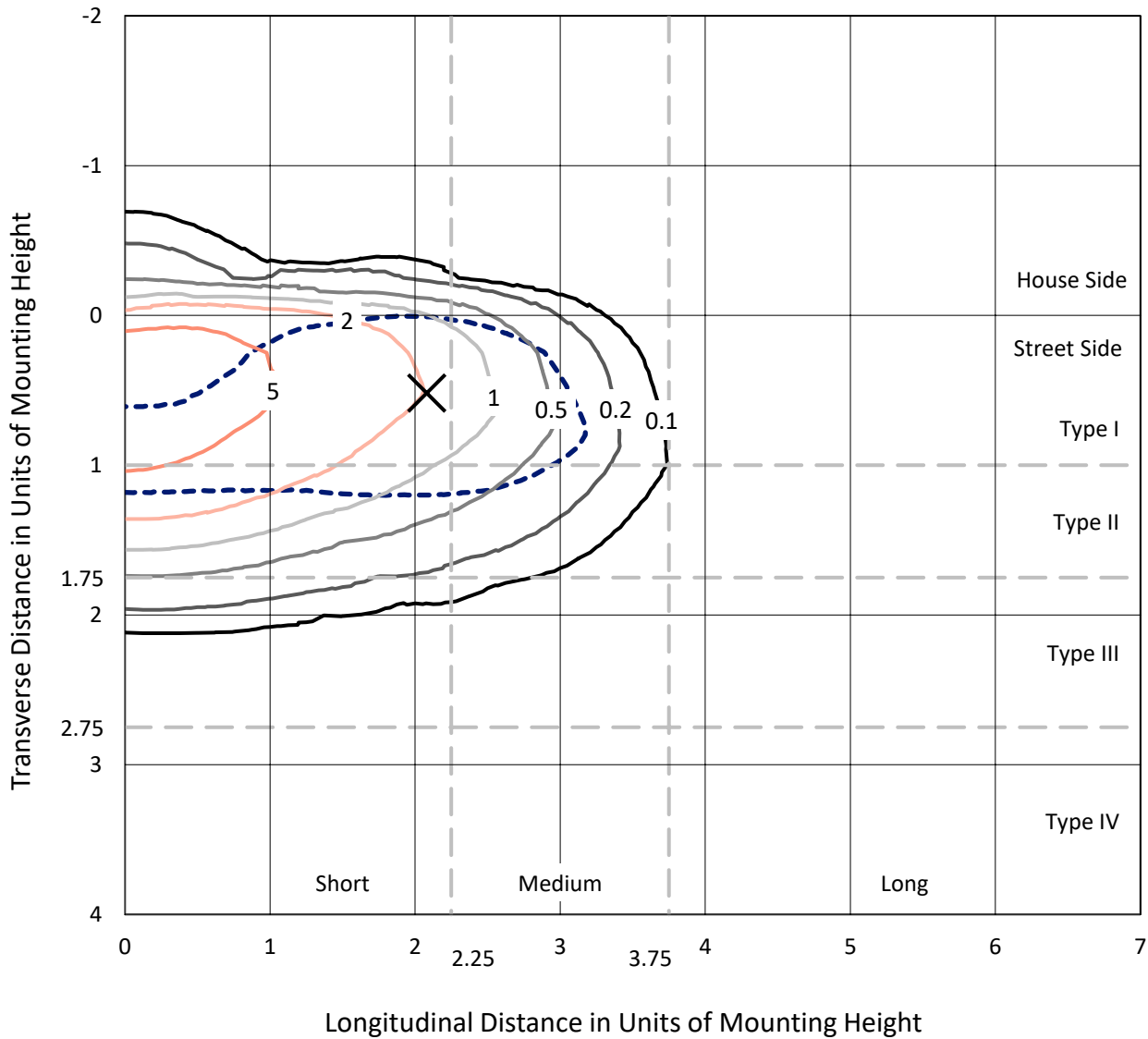
Lumens per Lamp: N/A  
Luminaire Lumens: 16867.9 lumens  
Efficiency: N/A  
Efficacy: 89.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

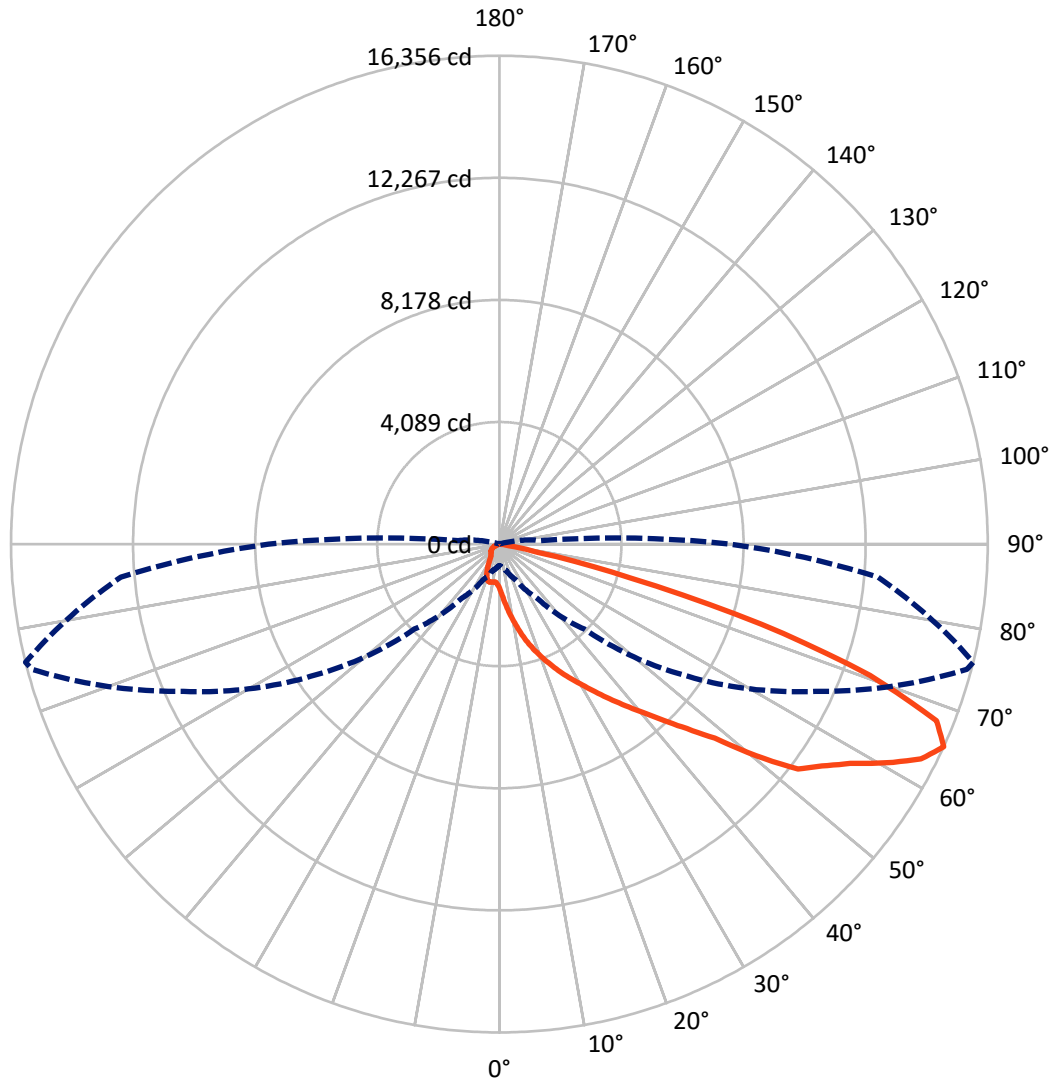
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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	932.7	0.0	932.7
	% Fixture	5.5	0.0	5.5
<b>Street Side</b>	Lumens	15935.2	0.0	15935.2
	% Fixture	94.5	0.0	94.5
<b>Total</b>	Lumens	16867.9	0.0	16867.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.7	1.1
10°-20°	689.4	4.1
20°-30°	1406.5	8.3
30°-40°	2501.4	14.8
40°-50°	3697.7	21.9
50°-60°	4233.6	25.1
60°-70°	3230.0	19.1
70°-80°	904.8	5.4
80°-90°	22.8	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°	16867.9	100.0
0°-180°	16867.9	100.0

**Coefficient of Utilization**



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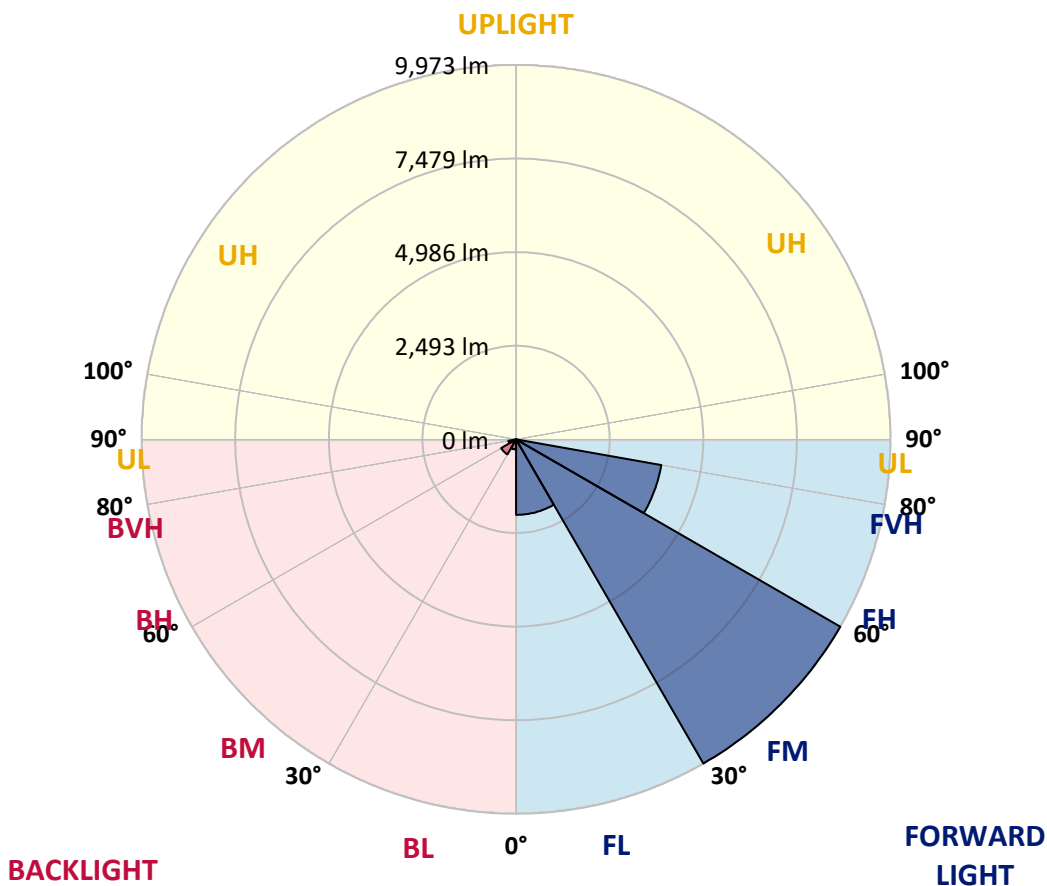
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2011.4	11.9			
FM (30°-60°)	9972.6	59.1			
FH (60°-80°)	3929.8	23.3			G2/5000
FVH (80°-90°)	21.5	0.1			G1/100
BL (0°-30°)	266.1	1.6	B1/500		
BM (30°-60°)	460.2	2.7	B1/1000		
BH (60°-80°)	205.0	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°	1493.4	1493.4	1493.4	1493.4	1493.4	1493.4	1493.4	1493.4	1493.4	1493.4	1493.4
2.5°	2301.6	2336.1	2309.1	2264.1	2177.2	2093.2	1985.2	1836.8	1718.3	1703.3	1592.4
5°	3108.3	3105.3	3046.8	2988.3	2896.9	2752.9	2535.5	2259.6	1994.2	1971.7	1722.8
7.5°	3588.1	3592.6	3559.6	3514.6	3424.7	3276.2	3049.8	2717.0	2328.6	2283.6	1901.3
10°	3991.5	3990.0	3966.0	3945.0	3864.0	3765.0	3522.1	3156.3	2688.5	2618.0	2100.7
12.5°	4294.3	4304.8	4316.8	4337.8	4303.3	4205.9	3976.5	3577.6	3052.8	2974.9	2328.6
15°	4534.3	4537.3	4582.2	4663.2	4691.7	4640.7	4432.3	3985.5	3412.7	3345.2	2591.0
17.5°	4606.2	4612.2	4688.7	4837.1	4987.1	5015.6	4858.1	4396.3	3766.5	3694.6	2845.9
20°	4757.7	4771.2	4828.1	4958.6	5147.5	5300.5	5239.0	4811.6	4120.4	4025.9	3106.8
22.5°	5234.5	5242.0	5222.5	5239.0	5336.4	5513.4	5550.9	5213.5	4483.3	4382.8	3388.7
25°	6054.7	6057.7	5921.2	5792.3	5718.8	5751.8	5834.3	5583.8	4843.1	4744.2	3651.1
27.5°	6906.3	6916.8	6753.4	6534.5	6272.1	6122.1	6098.1	5922.7	5206.0	5096.5	3910.5
30°	7708.5	7708.5	7536.1	7269.2	6918.3	6625.9	6453.5	6264.6	5594.3	5474.4	4175.9
32.5°	8429.8	8423.8	8203.3	7913.9	7567.6	7246.7	6883.8	6621.4	6026.2	5892.7	4481.8
35°	9025.0	9010.0	8759.6	8482.2	8111.9	7873.5	7468.6	7005.3	6494.0	6360.5	4796.7
37.5°	9474.8	9458.4	9228.9	8935.1	8591.7	8437.2	8098.4	7465.6	6987.3	6865.9	5146.0
40°	9719.3	9686.3	9527.3	9308.4	9020.5	8885.6	8744.6	8036.9	7567.6	7416.1	5558.4
42.5°	9791.2	9752.2	9647.3	9545.3	9371.4	9264.9	9416.4	8681.7	8204.8	8074.4	6029.2
45°	9578.3	9555.8	9546.8	9620.3	9651.8	9681.8	10055.1	9395.4	8908.1	8809.1	6621.4
47.5°	9065.5	9059.5	9139.0	9444.9	9777.7	10094.1	10749.4	10275.5	9819.7	9713.3	7449.1
50°	8117.9	8179.3	8401.3	8938.1	9603.8	10328.0	11398.6	11496.1	11295.1	11139.2	8528.7
52.5°	6636.4	6754.9	7252.7	8068.4	9025.0	10262.0	11698.5	12473.7	12679.1	12517.2	9302.4
55°	5207.5	5318.5	5762.3	6796.9	8072.9	9759.7	11712.0	12811.1	13259.4	13109.4	9825.7
57.5°	3879.0	3981.0	4384.3	5373.9	6777.4	8771.6	11391.1	12998.5	13947.6	13851.7	10651.9
60°	2535.5	2636.0	3000.3	3865.5	5257.0	7332.2	10600.9	12959.5	14884.8	14875.8	11667.0
62.5°	1406.5	1485.9	1749.8	2424.6	3669.1	5678.3	9359.4	12568.2	15791.9	15848.9	12503.7
65°	719.7	770.7	931.1	1333.0	2220.6	4025.9	7726.5	11671.5	16211.8	16355.7	12724.1
67.5°	470.8	487.3	526.3	692.7	1189.0	2532.5	5814.8	10233.6	15621.0	15788.9	11984.9
70°	382.4	395.8	418.3	461.8	613.3	1345.0	3819.0	8173.3	13052.5	13166.4	9543.8
72.5°	280.4	298.4	341.9	370.4	442.3	737.7	1986.7	5364.9	8963.5	9164.5	5997.7
75°	206.9	217.4	253.4	292.4	361.4	466.3	760.2	2820.4	4628.7	4511.8	2519.0
77.5°	124.5	131.9	161.9	187.4	257.9	290.9	265.4	1042.1	1408.0	1324.0	608.8
80°	61.5	69.0	106.5	140.9	164.9	117.0	111.0	290.9	313.4	313.4	152.9
82.5°	21.0	27.0	57.0	93.0	81.0	45.0	52.5	75.0	84.0	88.5	45.0
85°	0.0	0.0	13.5	27.0	12.0	6.0	13.5	16.5	21.0	22.5	15.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	4.5	6.0	6.0
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°	1493.4	1493.4	1493.4	1493.4	1493.4	1493.4	1493.4	1493.4	1493.4	1493.4	1493.4
2.5°	1532.4	1461.9	1355.5	1259.5	1186.0	1117.1	1064.6	1022.6	1015.1	991.1	994.1
5°	1601.4	1473.9	1277.5	1126.1	1019.6	947.6	887.7	842.7	823.2	803.7	788.7
7.5°	1707.8	1523.4	1247.5	1063.1	938.6	827.7	734.7	659.7	623.8	601.3	586.3
10°	1838.3	1592.4	1249.0	1025.6	841.2	671.7	544.3	461.8	422.8	410.8	409.3
12.5°	1994.2	1679.4	1261.0	964.1	700.2	499.3	403.3	365.9	353.9	343.4	343.4
15°	2159.2	1776.8	1261.0	851.7	533.8	389.8	349.4	325.4	310.4	304.4	301.4
17.5°	2333.1	1868.3	1231.0	697.2	409.3	343.4	310.4	287.9	275.9	266.9	263.9
20°	2519.0	1955.2	1156.1	533.8	350.9	307.4	275.9	253.4	241.4	232.4	232.4
22.5°	2708.0	2036.2	1034.6	410.8	310.4	272.9	242.9	221.9	209.9	200.9	200.9
25°	2883.4	2090.2	878.7	338.9	280.4	242.9	215.9	194.9	181.4	175.4	172.4
27.5°	3046.8	2124.7	706.2	298.4	251.9	217.4	188.9	169.4	158.9	154.4	151.4
30°	3216.3	2133.7	539.8	271.4	227.9	191.9	164.9	149.9	140.9	134.9	134.9
32.5°	3381.2	2123.2	412.3	248.9	206.9	169.4	146.9	133.4	126.0	121.5	120.0
35°	3549.1	2075.2	334.4	229.4	185.9	148.4	130.4	120.0	115.5	109.5	109.5
37.5°	3732.1	2010.7	290.9	209.9	164.9	133.4	117.0	109.5	103.5	99.0	97.5
40°	3960.0	1935.8	266.9	193.4	145.4	120.0	105.0	97.5	93.0	88.5	87.0
42.5°	4229.9	1862.3	254.9	175.4	130.4	106.5	94.5	85.5	81.0	75.0	73.5
45°	4612.2	1845.8	241.4	155.9	117.0	96.0	82.5	73.5	67.5	63.0	61.5
47.5°	5227.0	1892.3	218.9	134.9	103.5	84.0	70.5	63.0	55.5	51.0	48.0
50°	5837.3	1880.3	196.4	117.0	91.5	72.0	60.0	52.5	45.0	40.5	39.0
52.5°	6170.1	1823.3	175.4	103.5	79.5	61.5	51.0	42.0	37.5	33.0	31.5
55°	6471.5	1800.8	154.4	90.0	67.5	54.0	42.0	34.5	31.5	27.0	25.5
57.5°	7062.3	1853.3	136.4	78.0	58.5	46.5	36.0	28.5	25.5	21.0	19.5
60°	7680.0	1859.3	117.0	67.5	51.0	39.0	28.5	22.5	19.5	15.0	13.5
62.5°	8002.4	1707.8	96.0	57.0	42.0	33.0	24.0	18.0	15.0	9.0	9.0
65°	7732.5	1381.0	81.0	46.5	33.0	25.5	18.0	13.5	9.0	4.5	1.5
67.5°	6843.4	982.1	67.5	37.5	24.0	18.0	13.5	9.0	1.5	0.0	0.0
70°	5011.1	560.8	52.5	27.0	18.0	12.0	9.0	4.5	0.0	0.0	0.0
72.5°	3079.8	299.9	39.0	18.0	13.5	9.0	7.5	3.0	0.0	0.0	0.0
75°	1168.0	143.9	24.0	12.0	10.5	7.5	4.5	1.5	0.0	0.0	0.0
77.5°	316.4	70.5	13.5	9.0	7.5	4.5	3.0	0.0	0.0	0.0	0.0
80°	82.5	33.0	9.0	6.0	4.5	3.0	0.0	0.0	0.0	0.0	0.0
82.5°	28.5	15.0	4.5	4.5	3.0	1.5	0.0	0.0	0.0	0.0	0.0
85°	12.0	6.0	3.0	3.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.5	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)