

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: P642488

Luminaire Tested: GWS-SA6D-722-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642488
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-722-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15433.1 lumens
Efficiency: N/A
Efficacy: 62.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

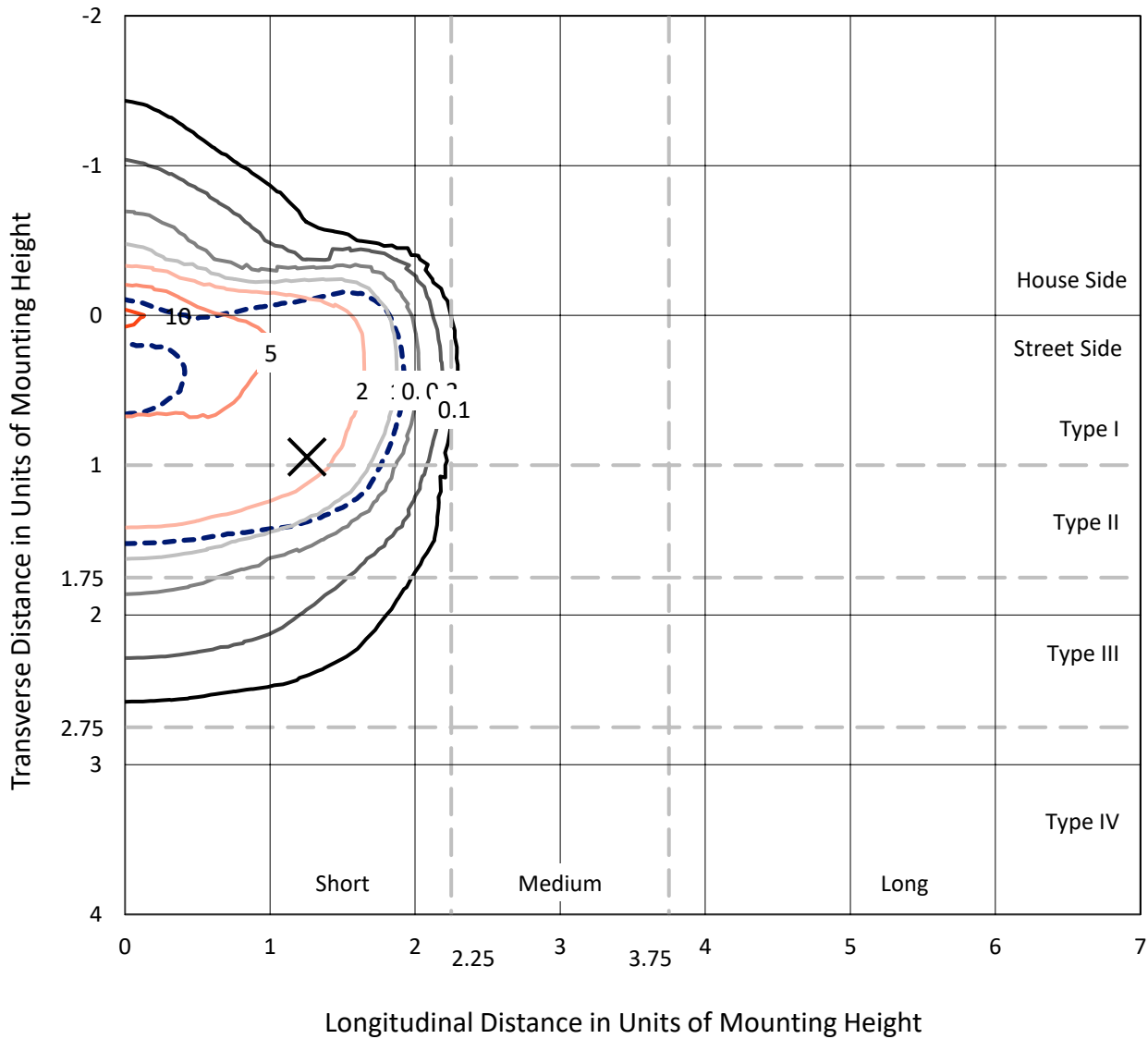
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

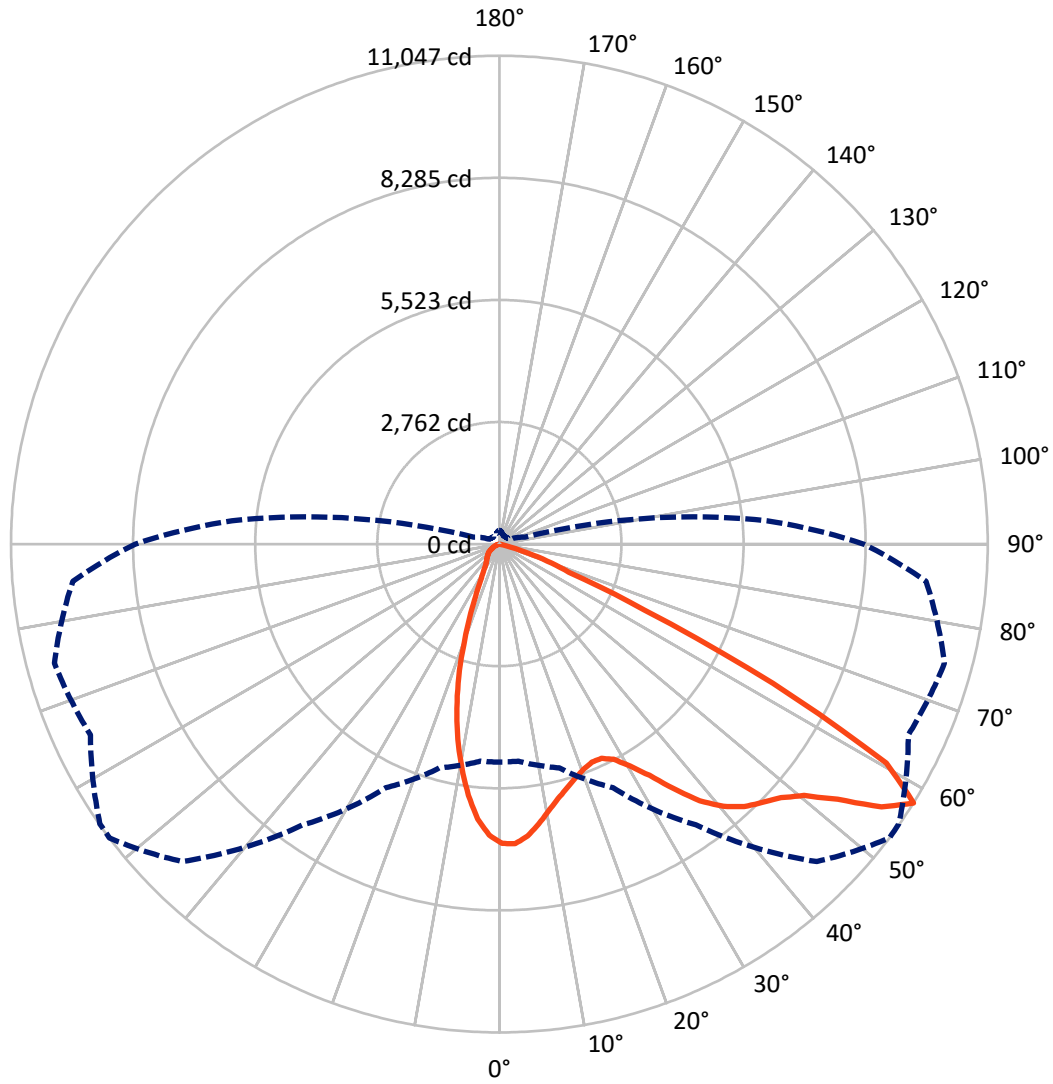
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2549.4	0.0	2549.4
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	12883.8	0.0	12883.8
	% Fixture	83.5	0.0	83.5
Total	Lumens	15433.1	0.0	15433.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	579.2	3.8
10°-20°	1271.6	8.2
20°-30°	1656.6	10.7
30°-40°	2402.9	15.6
40°-50°	3467.1	22.5
50°-60°	4193.2	27.2
60°-70°	1709.0	11.1
70°-80°	153.6	1.0
80°-90°	0.0	0.0
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°	15433.1	100.0
0°-180°	15433.1	100.0

Coefficient of Utilization



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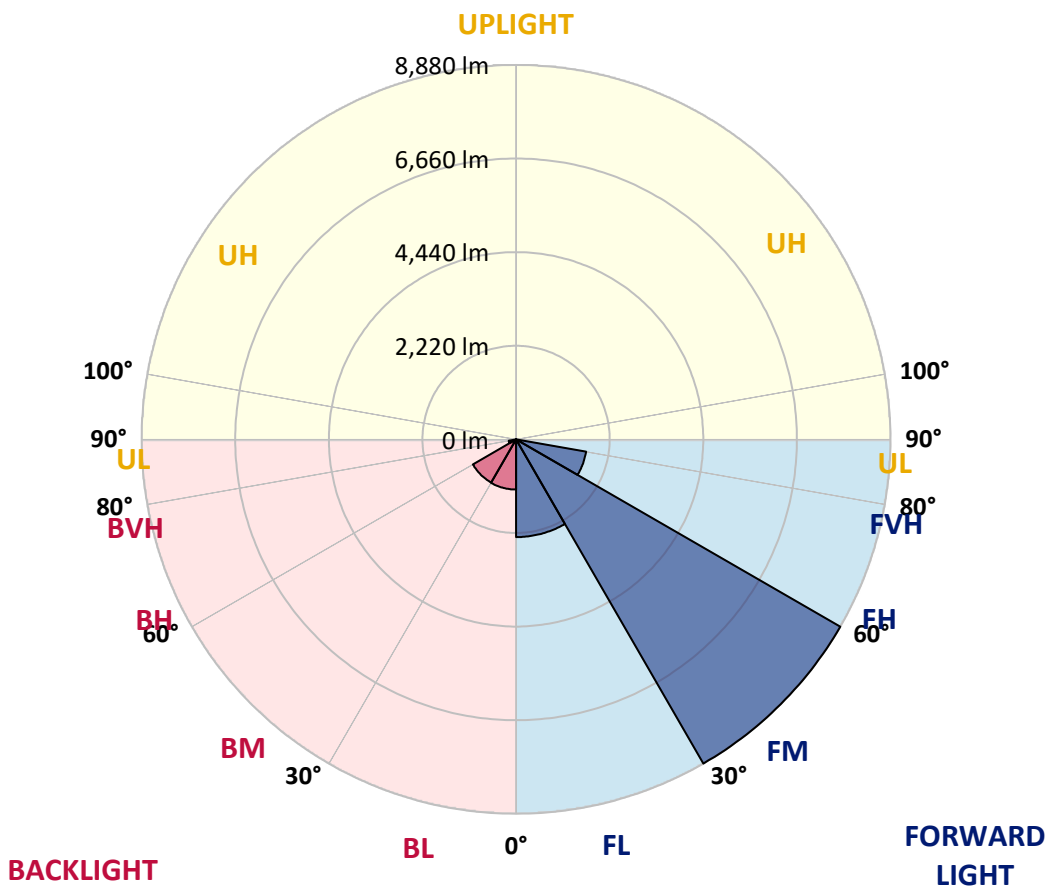
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2317.5	15.0			
FM (30°-60°)	8879.9	57.5			
FH (60°-80°)	1686.3	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1189.8	7.7	B3/2500		
BM (30°-60°)	1183.3	7.7	B2/2500		
BH (60°-80°)	176.2	1.1	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	6769.8	6769.8	6769.8	6769.8	6769.8	6769.8	6769.8	6769.8	6769.8	6769.8	6769.8
2.5°	6675.3	6690.4	6716.9	6750.9	6773.6	6785.0	6785.0	6817.1	6796.3	6779.3	6760.4
5°	6389.6	6404.8	6440.7	6495.6	6550.4	6590.1	6635.5	6669.6	6682.8	6682.8	6650.7
7.5°	5986.7	6007.5	6030.2	6105.9	6225.1	6314.0	6391.5	6440.7	6512.6	6535.3	6489.9
10°	5553.6	5574.4	5625.5	5729.5	5865.7	5998.1	6130.5	6192.9	6315.9	6380.2	6329.1
12.5°	5186.6	5196.1	5264.2	5389.0	5563.0	5744.6	5905.4	5969.7	6143.7	6240.2	6179.7
15°	4884.0	4889.6	4957.7	5095.8	5296.3	5519.5	5721.9	5788.1	6001.9	6147.5	6056.7
17.5°	4655.1	4657.0	4715.6	4865.1	5075.0	5322.8	5563.0	5644.4	5920.5	6096.4	5960.3
20°	4539.7	4534.0	4575.6	4706.2	4904.8	5152.6	5436.3	5536.6	5875.1	6088.9	5886.5
22.5°	4541.6	4528.4	4545.4	4638.1	4806.4	5039.1	5356.9	5470.3	5878.9	6121.0	5824.1
25°	4649.4	4630.5	4634.3	4683.5	4802.6	5014.5	5368.2	5489.3	5954.6	6228.9	5801.4
27.5°	4831.0	4810.2	4810.2	4834.8	4899.1	5092.0	5510.1	5648.2	6157.0	6438.8	5848.7
30°	5065.6	5044.7	5037.2	5061.8	5114.7	5292.5	5826.0	5969.7	6503.1	6783.1	6000.0
32.5°	5334.2	5309.6	5322.8	5356.9	5407.9	5653.8	6232.6	6423.7	6936.3	7246.5	6272.4
35°	5617.9	5597.1	5657.6	5731.4	5810.8	6155.1	6794.4	6960.9	7467.8	7823.4	6688.5
37.5°	5888.4	5878.9	6005.7	6160.8	6325.3	6756.6	7365.7	7494.3	7923.7	8451.4	7197.3
40°	6158.9	6157.0	6374.5	6646.9	6909.8	7356.2	7798.8	7904.8	8201.7	8939.4	7685.3
42.5°	6461.5	6461.5	6762.3	7125.4	7475.4	7863.2	8116.6	8163.9	8326.6	9221.3	8052.3
45°	6750.9	6767.9	7116.0	7537.8	7952.1	8258.5	8336.0	8339.8	8377.7	9387.7	8356.8
47.5°	6979.8	6994.9	7411.1	7897.2	8343.6	8559.2	8570.6	8553.6	8511.9	9546.6	8591.4
50°	7165.2	7187.9	7622.9	8137.4	8612.2	8848.6	8935.7	8918.6	8812.7	9716.9	8756.0
52.5°	7256.0	7288.1	7696.7	8256.6	8911.1	9344.2	9586.3	9626.1	9262.9	9811.4	8913.0
55°	6529.6	6576.9	6953.3	7719.4	9077.5	10110.3	10490.5	10482.9	9750.9	10093.3	9295.0
57.5°	4931.3	4927.5	5239.6	6077.5	7753.4	10153.8	11046.6	11031.5	10206.8	10420.5	9686.6
60°	3357.5	3334.8	3418.0	3822.8	5421.2	8271.7	10053.6	10257.8	9883.3	9626.1	8224.4
62.5°	2763.5	2742.7	2716.3	2604.7	3113.5	5152.6	6945.8	7256.0	7206.8	6690.4	5158.2
65°	2262.3	2279.3	2353.1	2305.8	2165.8	2642.5	3605.3	3788.8	3463.4	2914.9	1802.6
67.5°	1668.3	1675.9	1772.4	2022.1	1946.4	1759.1	1696.7	1727.0	1012.0	465.3	300.8
70°	985.5	991.2	1080.1	1414.9	1579.4	1350.6	1146.3	1129.3	401.0	124.8	136.2
72.5°	558.0	546.7	563.7	673.4	860.7	716.9	590.2	537.2	121.1	70.0	70.0
75°	264.8	257.3	221.3	208.1	189.2	121.1	75.7	64.3	30.3	28.4	28.4
77.5°	1.9	5.7	3.8	5.7	5.7	3.8	1.9	1.9	5.7	5.7	7.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6769.8	6769.8	6769.8	6769.8	6769.8	6769.8	6769.8	6769.8	6769.8	6769.8	6769.8
2.5°	6726.3	6669.6	6656.3	6652.6	6599.6	6542.9	6484.2	6461.5	6427.5	6406.7	6423.7
5°	6599.6	6518.3	6446.4	6380.2	6262.9	6134.3	6022.7	5950.8	5882.7	5837.3	5848.7
7.5°	6419.9	6314.0	6149.4	5981.1	5765.4	5572.5	5356.9	5224.4	5101.5	5033.4	5065.6
10°	6228.9	6088.9	5826.0	5540.3	5201.7	4899.1	4590.8	4339.2	4193.6	4055.5	4070.6
12.5°	6041.6	5856.2	5462.8	5029.6	4602.1	4155.7	3690.4	3342.4	3104.0	2931.9	2905.4
15°	5867.6	5629.2	5109.1	4537.8	3955.2	3361.3	2767.3	2269.9	1993.7	1823.4	1812.1
17.5°	5712.5	5417.4	4742.1	4023.3	3293.2	2532.8	1849.9	1477.3	1318.4	1244.6	1237.1
20°	5563.0	5203.6	4367.6	3501.2	2570.6	1778.1	1276.8	1104.7	1053.6	1023.3	1027.1
22.5°	5419.3	4971.0	3974.1	2922.4	1927.5	1248.4	989.3	923.1	917.4	921.2	923.1
25°	5298.2	4757.2	3569.3	2364.4	1375.2	951.4	826.6	807.7	824.7	849.3	853.1
27.5°	5235.8	4583.2	3174.0	1802.6	995.0	773.6	716.9	724.5	754.7	781.2	785.0
30°	5252.8	4452.7	2765.4	1307.1	766.1	652.6	633.7	648.8	679.1	703.7	707.4
32.5°	5373.9	4386.5	2347.4	951.4	629.9	569.4	561.8	573.1	599.6	618.5	620.4
35°	5614.1	4401.6	1950.2	728.2	541.0	506.9	505.0	512.6	525.8	539.1	541.0
37.5°	5967.8	4524.6	1558.6	605.3	489.9	465.3	457.8	457.8	467.2	472.9	476.7
40°	6348.0	4709.9	1248.4	535.3	454.0	427.5	412.4	406.7	414.2	421.8	423.7
42.5°	6662.0	4895.3	1013.9	486.1	425.6	389.7	370.7	367.0	376.4	389.7	393.4
45°	6902.2	5039.1	845.5	446.4	393.4	353.7	332.9	332.9	349.9	372.6	376.4
47.5°	7121.7	5154.5	720.7	410.5	363.2	321.6	300.8	304.5	332.9	363.2	368.9
50°	7271.1	5247.1	628.0	378.3	338.6	295.1	276.2	283.7	317.8	353.7	359.4
52.5°	7431.9	5360.6	567.5	349.9	315.9	274.3	257.3	262.9	300.8	340.5	348.0
55°	7876.4	5740.8	565.6	312.1	276.2	245.9	238.3	240.2	278.1	323.5	332.9
57.5°	8239.6	6075.6	603.4	262.9	230.8	215.6	211.9	213.7	247.8	298.9	310.2
60°	6817.1	4721.3	499.4	217.5	192.9	189.2	183.5	187.3	219.4	264.8	274.3
62.5°	4034.7	2699.2	238.3	166.5	164.6	160.8	155.1	162.7	192.9	232.7	238.3
65°	1378.9	800.1	151.3	136.2	140.0	134.3	128.6	136.2	162.7	185.4	187.3
67.5°	264.8	211.9	121.1	113.5	115.4	104.0	102.1	109.7	124.8	128.6	126.7
70°	138.1	123.0	92.7	92.7	88.9	73.8	73.8	81.3	81.3	75.7	73.8
72.5°	71.9	68.1	60.5	68.1	56.7	45.4	45.4	49.2	45.4	37.8	37.8
75°	28.4	28.4	26.5	34.0	24.6	20.8	18.9	22.7	17.0	13.2	13.2
77.5°	7.6	7.6	7.6	9.5	5.7	5.7	3.8	3.8	1.9	0.0	0.0
80°	0.0	1.9	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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)