

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: P635888

Luminaire Tested: GWS-SA3E-760-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635888
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-SA3E-760-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12977.2 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

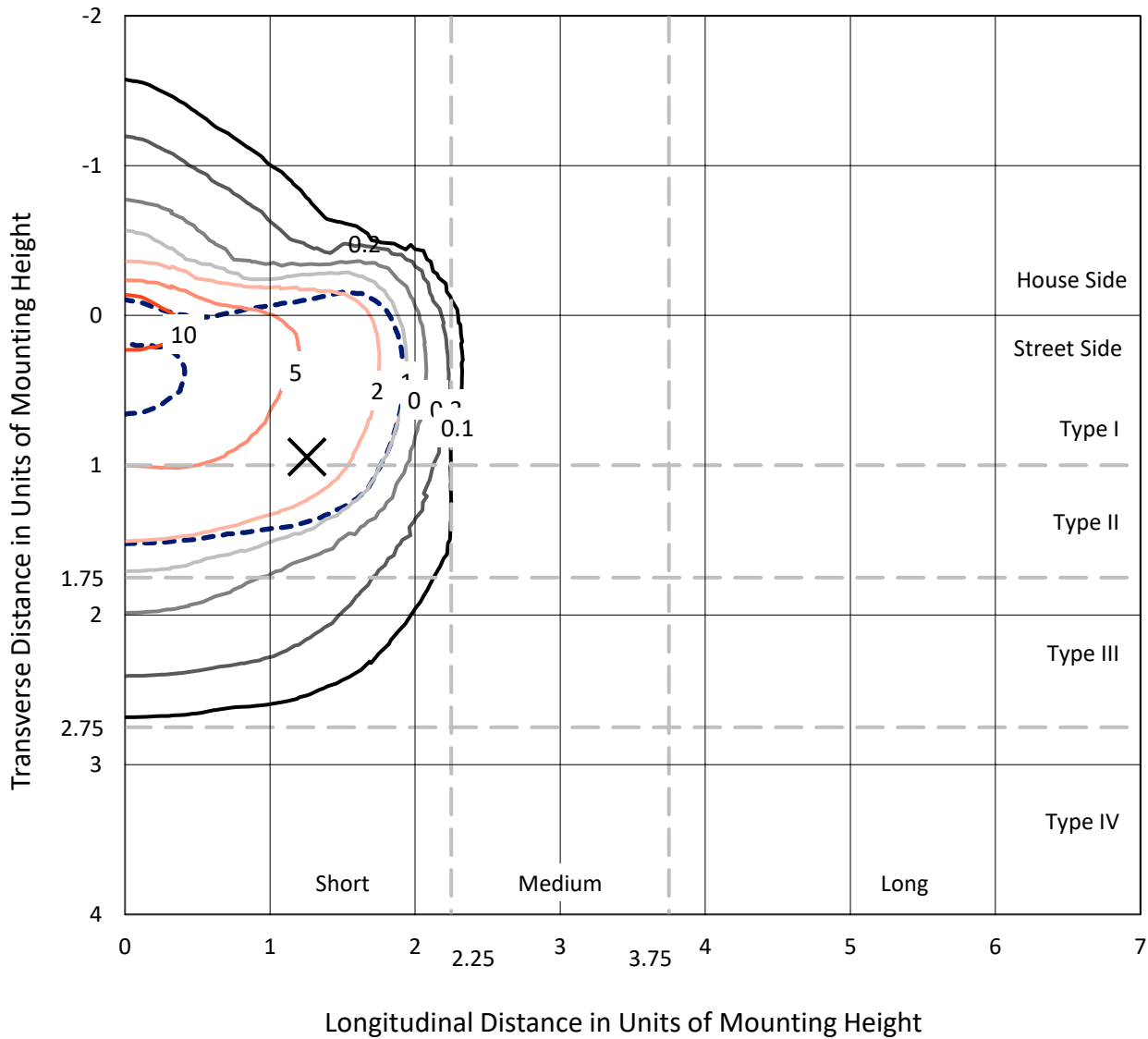
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

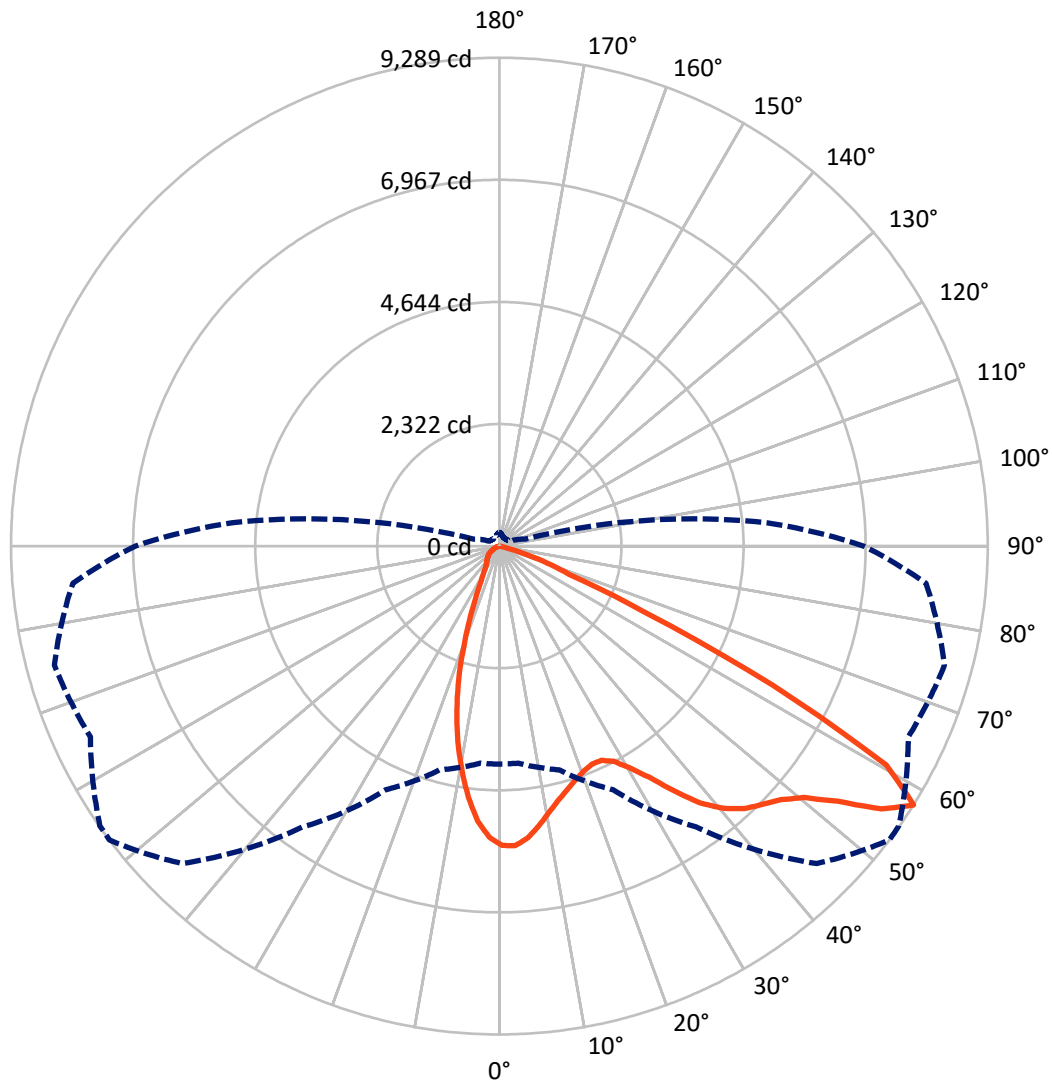
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 14.2 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	2143.7	0.0	2143.7
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	10833.5	0.0	10833.5
	% Fixture	83.5	0.0	83.5
Total	Lumens	12977.2	0.0	12977.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	487.0	3.8
10°-20°	1069.2	8.2
20°-30°	1392.9	10.7
30°-40°	2020.5	15.6
40°-50°	2915.4	22.5
50°-60°	3525.9	27.2
60°-70°	1437.0	11.1
70°-80°	129.1	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°	12977.2	100.0
0°-180°	12977.2	100.0

Coefficient of Utilization



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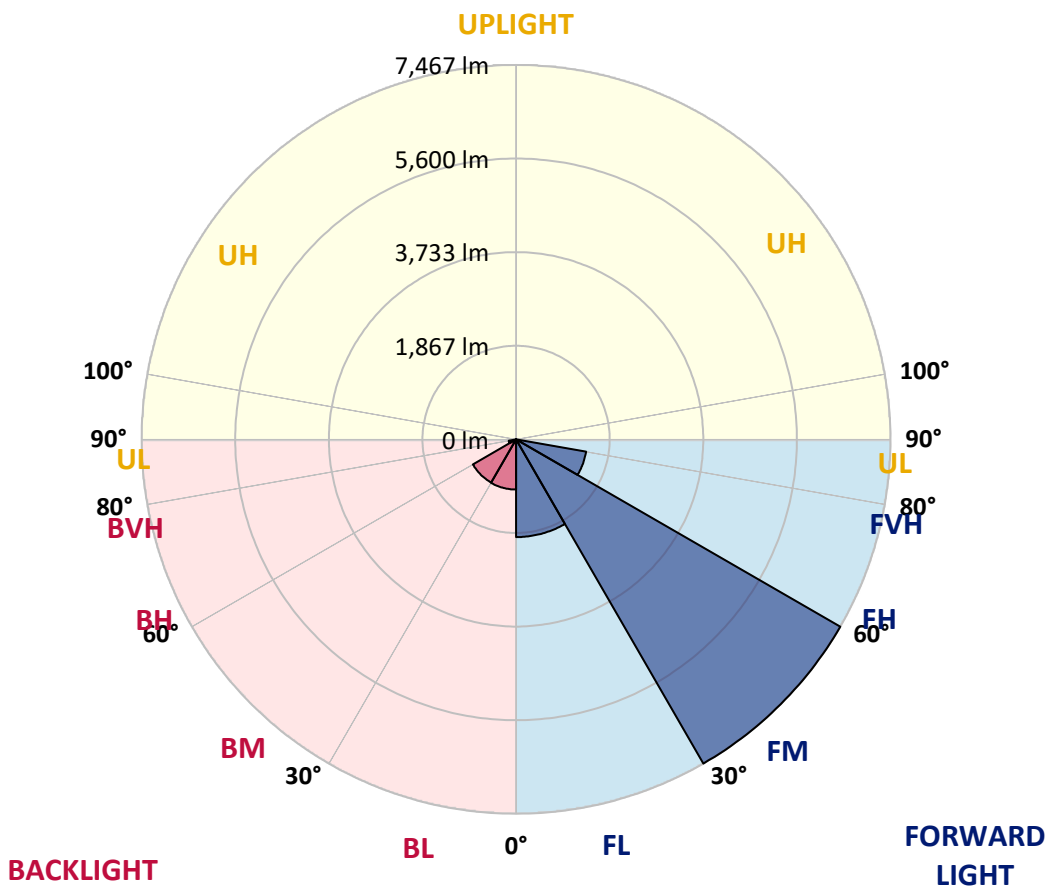
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1948.7	15.0			
FM (30°-60°)	7466.8	57.5			
FH (60°-80°)	1418.0	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1000.5	7.7	B3/2500		
BM (30°-60°)	995.0	7.7	B1/1000		
BH (60°-80°)	148.2	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°	5692.5	5692.5	5692.5	5692.5	5692.5	5692.5	5692.5	5692.5	5692.5	5692.5	5692.5
2.5°	5613.0	5625.7	5648.0	5676.6	5695.7	5705.3	5705.3	5732.3	5714.8	5700.5	5684.6
5°	5372.8	5385.6	5415.8	5461.9	5508.0	5541.4	5579.6	5608.2	5619.4	5619.4	5592.3
7.5°	5034.1	5051.6	5070.6	5134.3	5234.5	5309.2	5374.4	5415.8	5476.2	5495.3	5457.1
10°	4669.8	4687.3	4730.3	4817.7	4932.3	5043.6	5154.9	5207.4	5310.8	5364.9	5321.9
12.5°	4361.3	4369.2	4426.5	4531.4	4677.8	4830.5	4965.7	5019.7	5166.1	5247.2	5196.3
15°	4106.8	4111.5	4168.8	4284.9	4453.5	4641.2	4811.4	4867.0	5046.8	5169.3	5092.9
17.5°	3914.3	3915.9	3965.2	4090.9	4267.4	4475.8	4677.8	4746.2	4978.4	5126.3	5011.8
20°	3817.3	3812.5	3847.5	3957.3	4124.3	4332.6	4571.2	4655.5	4940.2	5119.9	4949.8
22.5°	3818.9	3807.8	3822.1	3900.0	4041.6	4237.2	4504.4	4599.8	4943.4	5147.0	4897.3
25°	3909.5	3893.6	3896.8	3938.2	4038.4	4216.5	4514.0	4615.7	5007.0	5237.6	4878.2
27.5°	4062.2	4044.7	4044.7	4065.4	4119.5	4281.7	4633.2	4749.3	5177.2	5414.2	4917.9
30°	4259.5	4242.0	4235.6	4256.3	4300.8	4450.3	4898.9	5019.7	5468.3	5703.7	5045.2
32.5°	4485.3	4464.6	4475.8	4504.4	4547.4	4754.1	5240.8	5401.5	5832.5	6093.4	5274.2
35°	4723.9	4706.4	4757.3	4819.3	4886.1	5175.6	5713.2	5853.2	6279.4	6578.5	5624.1
37.5°	4951.3	4943.4	5050.0	5180.4	5318.8	5681.4	6193.6	6301.7	6662.8	7106.5	6052.0
40°	5178.8	5177.2	5360.1	5589.2	5810.2	6185.6	6557.8	6646.9	6896.6	7516.9	6462.4
42.5°	5433.3	5433.3	5686.2	5991.6	6285.8	6611.9	6825.0	6864.8	7001.6	7753.9	6770.9
45°	5676.6	5690.9	5983.6	6338.3	6686.6	6944.3	7009.5	7012.7	7044.5	7893.8	7027.0
47.5°	5869.1	5881.8	6231.7	6640.5	7015.9	7197.2	7206.7	7192.4	7157.4	8027.5	7224.2
50°	6025.0	6044.0	6409.9	6842.5	7241.7	7440.5	7513.7	7499.4	7410.3	8170.6	7362.6
52.5°	6101.3	6128.3	6471.9	6942.7	7493.0	7857.3	8060.9	8094.3	7788.9	8250.1	7494.6
55°	5490.5	5530.3	5846.8	6491.0	7633.0	8501.4	8821.1	8814.8	8199.2	8487.1	7815.9
57.5°	4146.5	4143.4	4405.8	5110.4	6519.6	8538.0	9288.7	9276.0	8582.5	8762.3	8145.2
60°	2823.2	2804.1	2874.1	3214.5	4558.5	6955.4	8453.7	8625.5	8310.6	8094.3	6915.7
62.5°	2323.8	2306.3	2284.0	2190.2	2618.0	4332.6	5840.5	6101.3	6060.0	5625.7	4337.4
65°	1902.3	1916.6	1978.6	1938.9	1821.2	2222.0	3031.6	3185.8	2912.3	2451.0	1515.8
67.5°	1402.9	1409.2	1490.3	1700.3	1636.7	1479.2	1426.7	1452.2	850.9	391.3	252.9
70°	828.7	833.4	908.2	1189.7	1328.1	1135.6	963.9	949.6	337.2	105.0	114.5
72.5°	469.2	459.7	474.0	566.2	723.7	602.8	496.2	451.7	101.8	58.8	58.8
75°	222.7	216.3	186.1	175.0	159.1	101.8	63.6	54.1	25.4	23.9	23.9
77.5°	1.6	4.8	3.2	4.8	4.8	3.2	1.6	1.6	4.8	4.8	6.4
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°	5692.5	5692.5	5692.5	5692.5	5692.5	5692.5	5692.5	5692.5	5692.5	5692.5	5692.5
2.5°	5656.0	5608.2	5597.1	5593.9	5549.4	5501.7	5452.4	5433.3	5404.7	5387.2	5401.5
5°	5549.4	5481.0	5420.6	5364.9	5266.3	5158.1	5064.3	5003.8	4946.6	4908.4	4917.9
7.5°	5398.3	5309.2	5170.8	5029.3	4848.0	4685.7	4504.4	4393.1	4289.7	4232.4	4259.5
10°	5237.6	5119.9	4898.9	4658.7	4374.0	4119.5	3860.2	3648.7	3526.2	3410.1	3422.8
12.5°	5080.2	4924.3	4593.5	4229.2	3869.8	3494.4	3103.1	2810.5	2610.1	2465.3	2443.1
15°	4933.9	4733.4	4296.0	3815.7	3325.8	2826.4	2327.0	1908.6	1676.4	1533.3	1523.7
17.5°	4803.4	4555.3	3987.5	3383.1	2769.1	2129.7	1555.5	1242.2	1108.6	1046.6	1040.2
20°	4677.8	4375.6	3672.6	2944.1	2161.5	1495.1	1073.6	928.9	885.9	860.5	863.7
22.5°	4556.9	4179.9	3341.7	2457.4	1620.8	1049.8	831.9	776.2	771.4	774.6	776.2
25°	4455.1	4000.2	3001.3	1988.2	1156.3	800.0	695.1	679.2	693.5	714.2	717.3
27.5°	4402.6	3853.9	2668.9	1515.8	836.6	650.5	602.8	609.2	634.6	656.9	660.1
30°	4416.9	3744.1	2325.4	1099.1	644.2	548.7	532.8	545.6	571.0	591.7	594.9
32.5°	4518.7	3688.5	1973.9	800.0	529.6	478.8	472.4	481.9	504.2	520.1	521.7
35°	4720.7	3701.2	1639.8	612.4	454.9	426.3	424.7	431.0	442.2	453.3	454.9
37.5°	5018.2	3804.6	1310.6	509.0	411.9	391.3	384.9	384.9	392.9	397.6	400.8
40°	5337.8	3960.4	1049.8	450.1	381.7	359.5	346.7	342.0	348.3	354.7	356.3
42.5°	5601.9	4116.3	852.5	408.8	357.9	327.7	311.7	308.6	316.5	327.7	330.8
45°	5803.9	4237.2	711.0	375.4	330.8	297.4	279.9	279.9	294.2	313.3	316.5
47.5°	5988.4	4334.2	606.0	345.1	305.4	270.4	252.9	256.1	279.9	305.4	310.2
50°	6114.0	4412.2	528.1	318.1	284.7	248.1	232.2	238.6	267.2	297.4	302.2
52.5°	6249.2	4507.6	477.2	294.2	265.6	230.6	216.3	221.1	252.9	286.3	292.7
55°	6623.0	4827.3	475.6	262.4	232.2	206.8	200.4	202.0	233.8	272.0	279.9
57.5°	6928.4	5108.8	507.4	221.1	194.0	181.3	178.1	179.7	208.4	251.3	260.8
60°	5732.3	3970.0	419.9	182.9	162.2	159.1	154.3	157.5	184.5	222.7	230.6
62.5°	3392.6	2269.7	200.4	140.0	138.4	135.2	130.4	136.8	162.2	195.6	200.4
65°	1159.5	672.8	127.2	114.5	117.7	112.9	108.2	114.5	136.8	155.9	157.5
67.5°	222.7	178.1	101.8	95.4	97.0	87.5	85.9	92.3	105.0	108.2	106.6
70°	116.1	103.4	77.9	77.9	74.8	62.0	62.0	68.4	68.4	63.6	62.0
72.5°	60.4	57.3	50.9	57.3	47.7	38.2	38.2	41.4	38.2	31.8	31.8
75°	23.9	23.9	22.3	28.6	20.7	17.5	15.9	19.1	14.3	11.1	11.1
77.5°	6.4	6.4	6.4	8.0	4.8	4.8	3.2	3.2	1.6	0.0	0.0
80°	0.0	1.6	0.0	1.6	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)