

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: P635833

Luminaire Tested: GWS-SA3E-750-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635833
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13157.5 lumens
Efficiency: N/A
Efficacy: 82.6 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

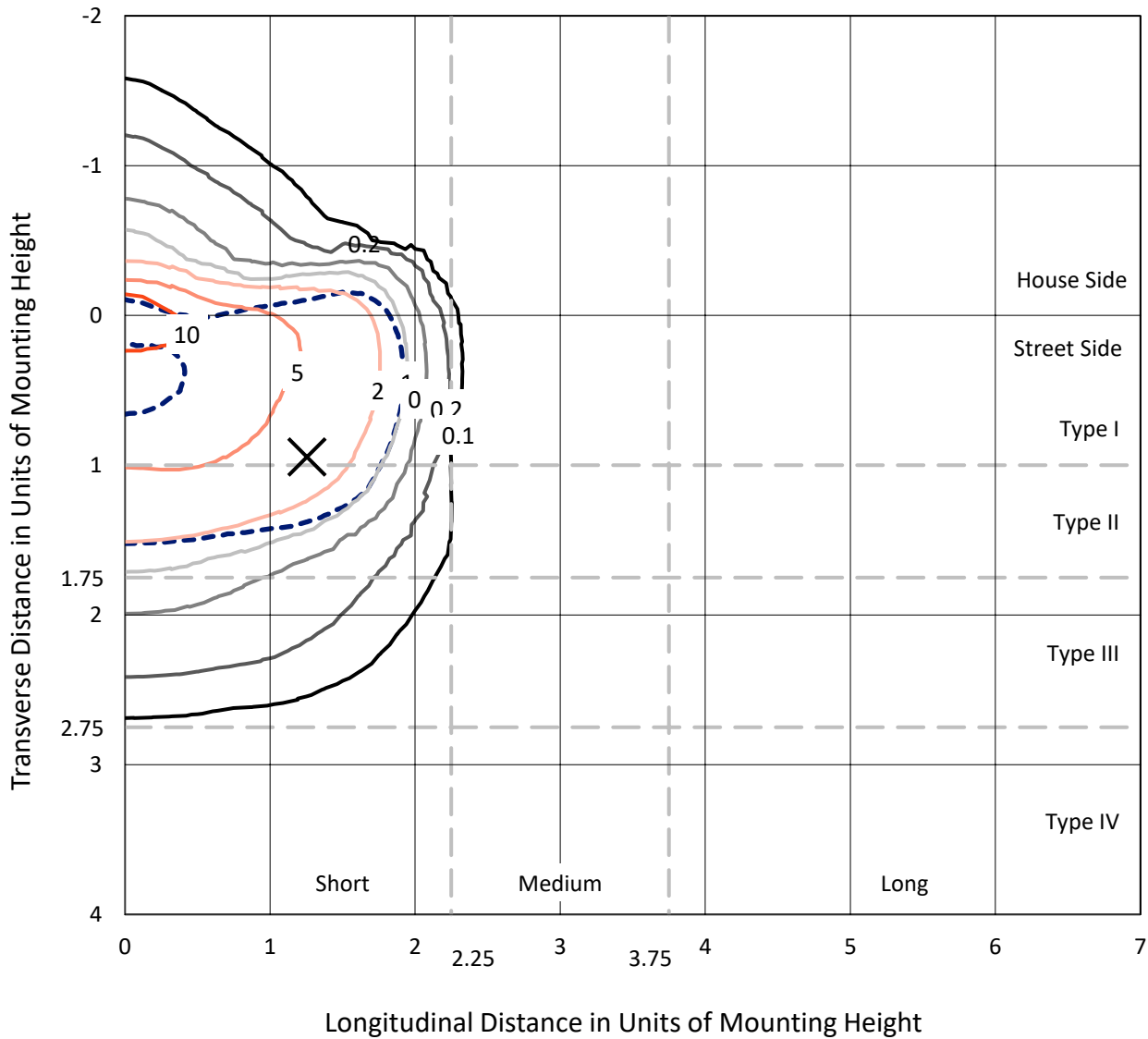
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

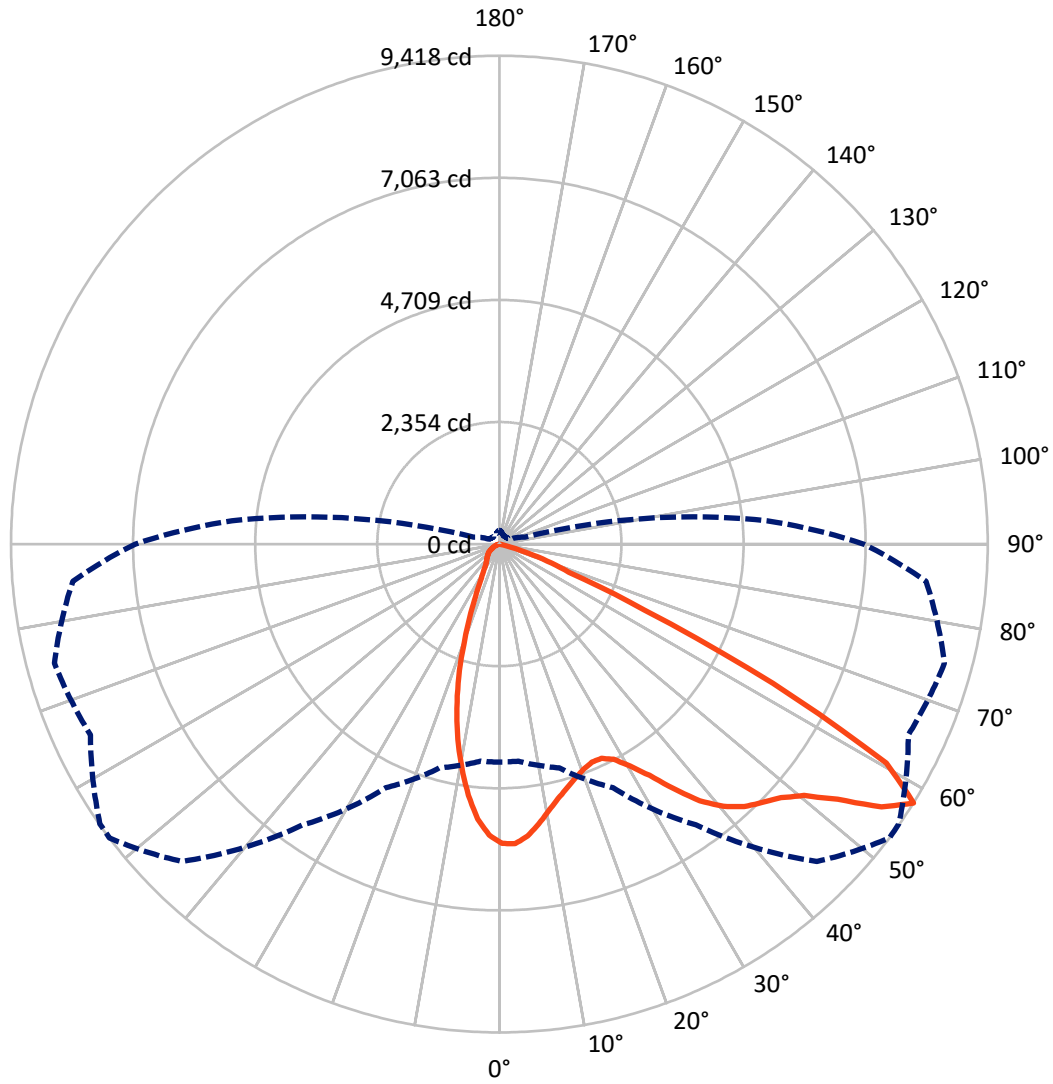
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 14.4 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	2173.4	0.0	2173.4
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	10984.0	0.0	10984.0
	% Fixture	83.5	0.0	83.5
Total	Lumens	13157.5	0.0	13157.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	493.8	3.8
10°-20°	1084.1	8.2
20°-30°	1412.3	10.7
30°-40°	2048.6	15.6
40°-50°	2955.9	22.5
50°-60°	3574.9	27.2
60°-70°	1457.0	11.1
70°-80°	130.9	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°	13157.5	100.0
0°-180°	13157.5	100.0

Coefficient of Utilization



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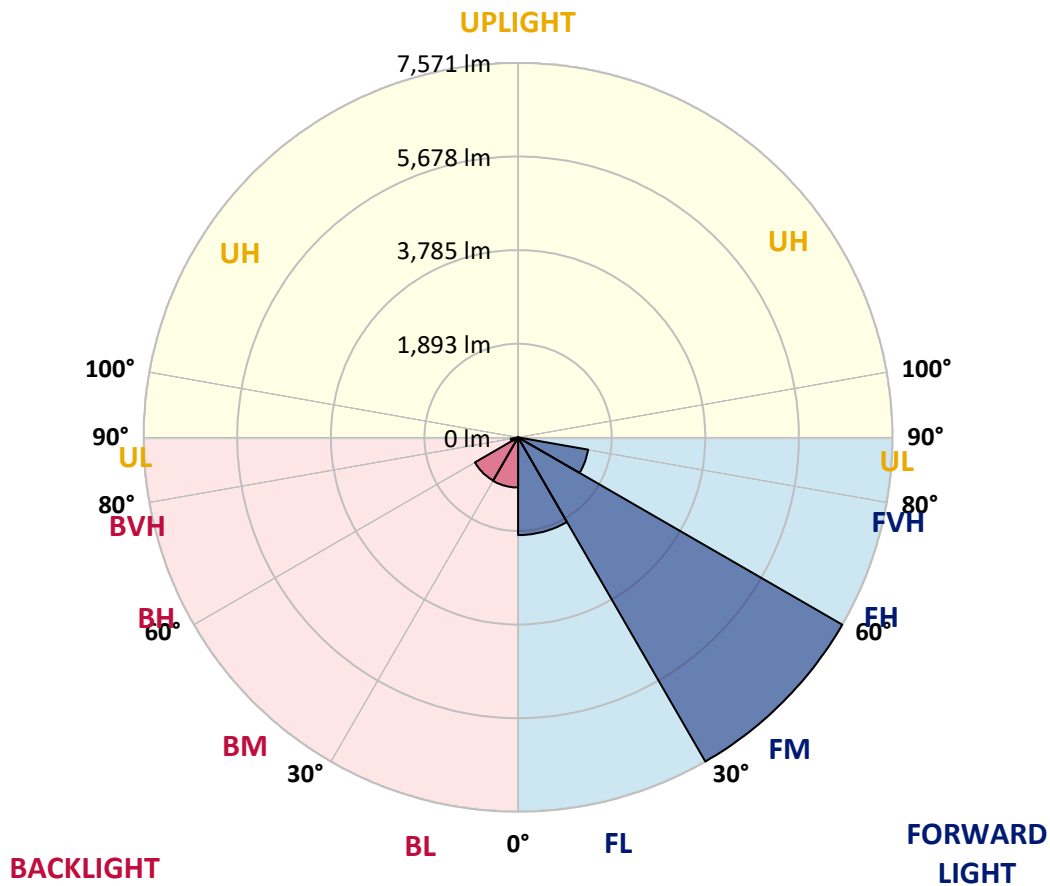
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1975.8	15.0			
FM (30°-60°)	7570.6	57.5			
FH (60°-80°)	1437.7	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1014.4	7.7	B3/2500		
BM (30°-60°)	1008.8	7.7	B2/2500		
BH (60°-80°)	150.2	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°	5771.6	5771.6	5771.6	5771.6	5771.6	5771.6	5771.6	5771.6	5771.6	5771.6	5771.6
2.5°	5691.0	5703.9	5726.5	5755.5	5774.9	5784.5	5784.5	5811.9	5794.2	5779.7	5763.6
5°	5447.5	5460.4	5491.0	5537.8	5584.6	5618.4	5657.1	5686.2	5697.4	5697.4	5670.0
7.5°	5104.0	5121.7	5141.1	5205.6	5307.2	5383.0	5449.1	5491.0	5552.3	5571.7	5533.0
10°	4734.7	4752.4	4796.0	4884.7	5000.8	5113.7	5226.6	5279.8	5384.6	5439.4	5395.9
12.5°	4421.9	4429.9	4488.0	4594.4	4742.8	4897.6	5034.7	5089.5	5237.8	5320.1	5268.5
15°	4163.8	4168.7	4226.7	4344.4	4515.4	4705.7	4878.2	4934.7	5116.9	5241.1	5163.7
17.5°	3968.7	3970.3	4020.3	4147.7	4326.7	4538.0	4742.8	4812.1	5047.6	5197.5	5081.4
20°	3870.3	3865.5	3901.0	4012.2	4181.6	4392.8	4634.7	4720.2	5008.9	5191.1	5018.5
22.5°	3871.9	3860.7	3875.2	3954.2	4097.7	4296.1	4567.0	4663.7	5012.1	5218.5	4965.3
25°	3963.9	3947.7	3951.0	3992.9	4094.5	4275.1	4576.7	4679.9	5076.6	5310.4	4946.0
27.5°	4118.7	4100.9	4100.9	4121.9	4176.7	4341.2	4697.6	4815.3	5249.1	5489.4	4986.3
30°	4318.6	4300.9	4294.5	4315.4	4360.6	4512.2	4966.9	5089.5	5544.2	5782.9	5115.3
32.5°	4547.6	4526.7	4538.0	4567.0	4610.5	4820.2	5313.6	5476.5	5913.5	6178.0	5347.5
35°	4789.5	4771.8	4823.4	4886.3	4954.0	5247.5	5792.6	5934.5	6366.7	6669.9	5702.3
37.5°	5020.1	5012.1	5120.1	5252.4	5392.7	5760.3	6279.6	6389.3	6755.3	7205.3	6136.1
40°	5250.7	5249.1	5434.6	5666.8	5891.0	6271.5	6648.9	6739.2	6992.4	7621.3	6552.1
42.5°	5508.8	5508.8	5765.2	6074.8	6373.1	6703.7	6919.8	6960.1	7098.8	7861.6	6865.0
45°	5755.5	5770.0	6066.7	6426.4	6779.5	7040.8	7106.9	7110.1	7142.4	8003.5	7124.6
47.5°	5950.6	5963.5	6318.3	6732.8	7113.3	7297.2	7306.9	7292.3	7256.9	8139.0	7324.6
50°	6108.7	6128.0	6498.9	6937.6	7342.3	7543.9	7618.1	7603.6	7513.3	8284.1	7464.9
52.5°	6186.1	6213.5	6561.8	7039.2	7597.1	7966.4	8172.8	8206.7	7897.1	8364.8	7598.7
55°	5566.8	5607.1	5928.1	6581.2	7739.0	8619.5	8943.7	8937.2	8313.1	8605.0	7924.5
57.5°	4204.1	4200.9	4467.0	5181.4	6610.2	8656.6	9417.8	9404.9	8701.8	8884.0	8258.3
60°	2862.4	2843.1	2914.0	3259.1	4621.8	7052.1	8571.2	8745.3	8426.0	8206.7	7011.7
62.5°	2356.1	2338.3	2315.7	2220.6	2654.4	4392.8	5921.6	6186.1	6144.1	5703.9	4397.7
65°	1928.7	1943.2	2006.1	1965.8	1846.5	2252.9	3073.7	3230.1	2952.7	2485.1	1536.8
67.5°	1422.3	1428.8	1511.0	1723.9	1659.4	1499.8	1446.5	1472.3	862.8	396.7	256.4
70°	840.2	845.0	920.8	1206.3	1346.6	1151.4	977.3	962.7	341.9	106.4	116.1
72.5°	475.7	466.1	480.6	574.1	733.8	611.2	503.1	458.0	103.2	59.7	59.7
75°	225.8	219.3	188.7	177.4	161.3	103.2	64.5	54.8	25.8	24.2	24.2
77.5°	1.6	4.8	3.2	4.8	4.8	3.2	1.6	1.6	4.8	4.8	6.5
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°	5771.6	5771.6	5771.6	5771.6	5771.6	5771.6	5771.6	5771.6	5771.6	5771.6	5771.6
2.5°	5734.5	5686.2	5674.9	5671.6	5626.5	5578.1	5528.1	5508.8	5479.7	5462.0	5476.5
5°	5626.5	5557.1	5495.9	5439.4	5339.4	5229.8	5134.6	5073.4	5015.3	4976.6	4986.3
7.5°	5473.3	5383.0	5242.7	5099.2	4915.3	4750.8	4567.0	4454.1	4349.3	4291.2	4318.6
10°	5310.4	5191.1	4966.9	4723.4	4434.8	4176.7	3913.9	3699.4	3575.2	3457.5	3470.4
12.5°	5150.8	4992.7	4657.3	4288.0	3923.5	3543.0	3146.3	2849.5	2646.3	2499.6	2477.0
15°	5002.4	4799.2	4355.7	3868.7	3372.0	2865.7	2359.3	1935.2	1699.7	1554.6	1544.9
17.5°	4870.2	4618.6	4042.9	3430.1	2807.6	2159.3	1577.2	1259.5	1124.0	1061.1	1054.7
20°	4742.8	4436.4	3723.6	2985.0	2191.6	1515.9	1088.5	941.8	898.2	872.4	875.7
22.5°	4620.2	4238.0	3388.2	2491.5	1643.3	1064.3	843.4	787.0	782.1	785.4	787.0
25°	4517.0	4055.8	3043.0	2015.8	1172.4	811.2	704.7	688.6	703.1	724.1	727.3
27.5°	4463.8	3907.4	2706.0	1536.8	848.2	659.6	611.2	617.6	643.4	666.0	669.2
30°	4478.3	3796.1	2357.7	1114.3	653.1	556.4	540.2	553.1	578.9	599.9	603.1
32.5°	4581.5	3739.7	2001.3	811.2	537.0	485.4	479.0	488.6	511.2	527.3	528.9
35°	4786.3	3752.6	1662.6	620.9	461.2	432.2	430.6	437.0	448.3	459.6	461.2
37.5°	5087.9	3857.4	1328.8	516.0	417.7	396.7	390.3	390.3	398.3	403.2	406.4
40°	5412.0	4015.5	1064.3	456.4	387.0	364.5	351.6	346.7	353.2	359.6	361.2
42.5°	5679.7	4173.5	864.4	414.4	362.8	332.2	316.1	312.9	320.9	332.2	335.4
45°	5884.5	4296.1	720.8	380.6	335.4	301.6	283.8	283.8	298.3	317.7	320.9
47.5°	6071.6	4394.4	614.4	349.9	309.6	274.1	256.4	259.6	283.8	309.6	314.5
50°	6199.0	4473.5	535.4	322.5	288.7	251.6	235.4	241.9	270.9	301.6	306.4
52.5°	6336.1	4570.2	483.8	298.3	269.3	233.8	219.3	224.2	256.4	290.3	296.7
55°	6715.0	4894.4	482.2	266.1	235.4	209.6	203.2	204.8	237.1	275.8	283.8
57.5°	7024.6	5179.8	514.4	224.2	196.7	183.8	180.6	182.2	211.3	254.8	264.5
60°	5811.9	4025.1	425.7	185.5	164.5	161.3	156.4	159.7	187.1	225.8	233.8
62.5°	3439.8	2301.2	203.2	141.9	140.3	137.1	132.2	138.7	164.5	198.4	203.2
65°	1175.6	682.1	129.0	116.1	119.3	114.5	109.7	116.1	138.7	158.0	159.7
67.5°	225.8	180.6	103.2	96.8	98.4	88.7	87.1	93.5	106.4	109.7	108.0
70°	117.7	104.8	79.0	79.0	75.8	62.9	62.9	69.3	69.3	64.5	62.9
72.5°	61.3	58.1	51.6	58.1	48.4	38.7	38.7	41.9	38.7	32.3	32.3
75°	24.2	24.2	22.6	29.0	21.0	17.7	16.1	19.4	14.5	11.3	11.3
77.5°	6.5	6.5	6.5	8.1	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)