

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: P639844

Luminaire Tested: GWS-SA5C-760-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-760-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14106.8 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

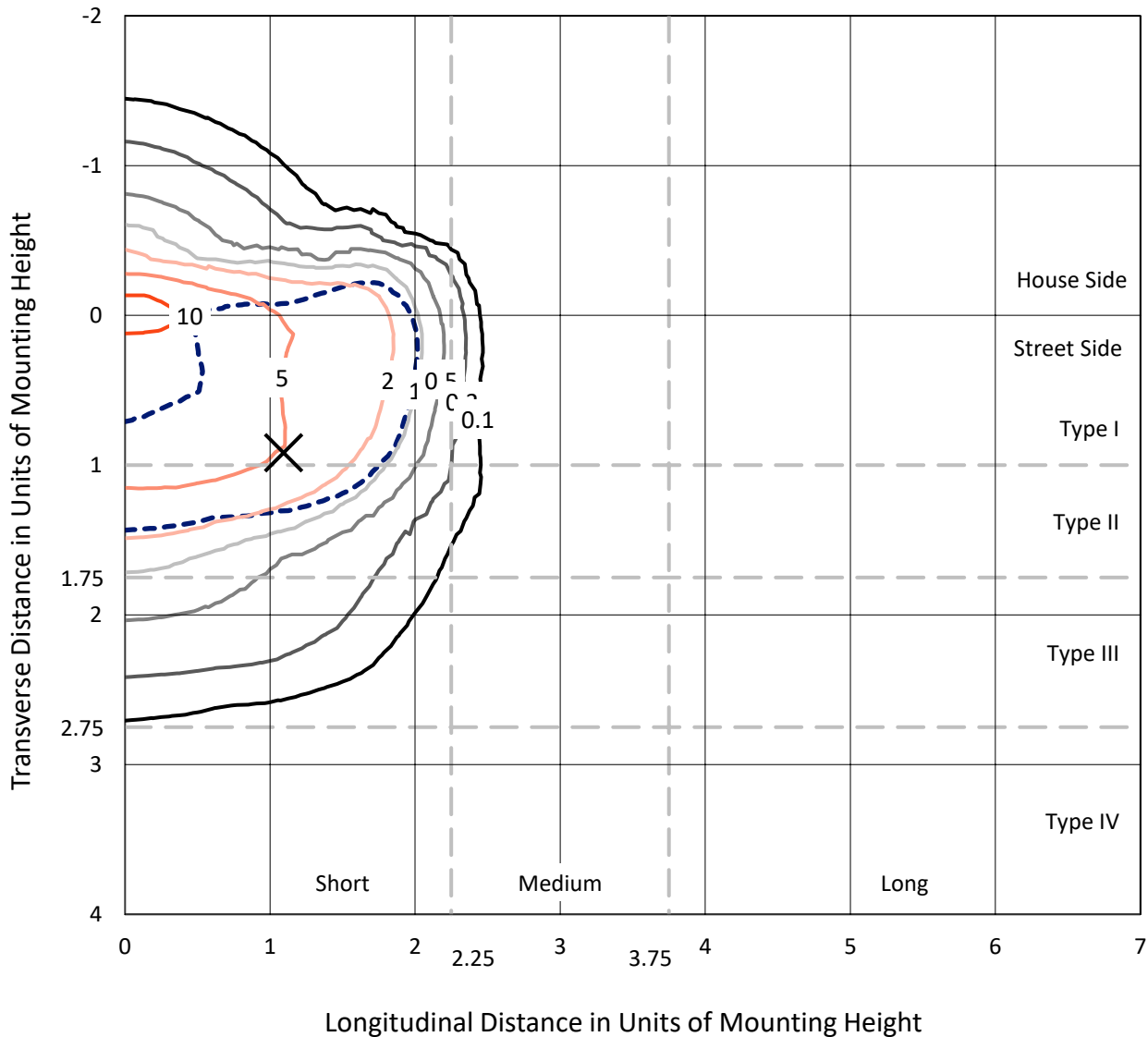
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

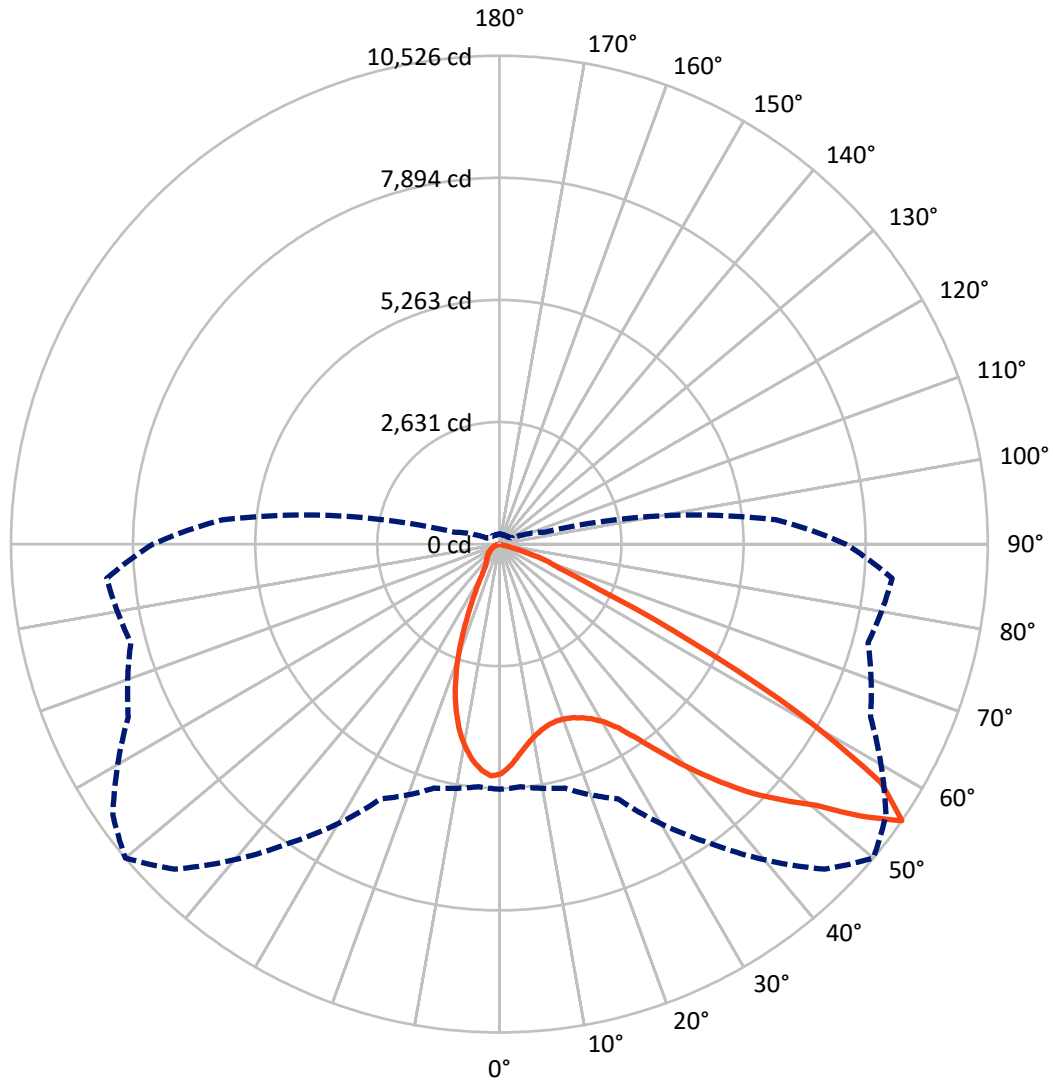
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 12.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2779.7	0.0	2779.7
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	11327.1	0.0	11327.1
	% Fixture	80.3	0.0	80.3
Total	Lumens	14106.8	0.0	14106.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	434.7	3.1
10°-20°	1069.6	7.6
20°-30°	1508.8	10.7
30°-40°	2232.7	15.8
40°-50°	3221.0	22.8
50°-60°	3799.4	26.9
60°-70°	1694.9	12.0
70°-80°	145.7	1.0
80°-90°	0.1	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°	14106.8	100.0
0°-180°	14106.8	100.0

Coefficient of Utilization



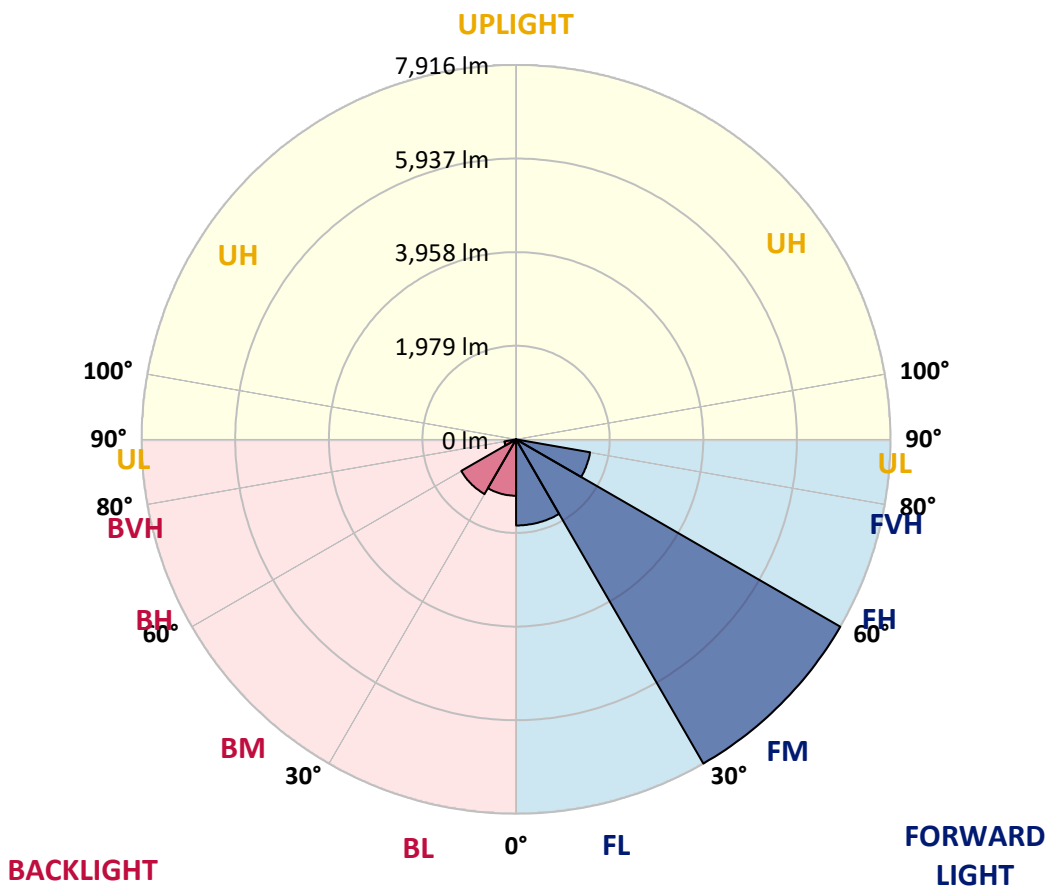
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1821.2	12.9			
FM (30°-60°)	7916.3	56.1			
FH (60°-80°)	1589.6	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1191.8	8.4	B3/2500		
BM (30°-60°)	1336.8	9.5	B2/2500		
BH (60°-80°)	251.0	1.8	B1/500		G1/500
BVH (80°-90°)	0.1	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°	50°	55°	65°	75°	85°
0°	4949.4	4949.4	4949.4	4949.4	4949.4	4949.4	4949.4	4949.4	4949.4	4949.4	4949.4
2.5°	4598.1	4601.6	4603.3	4649.8	4667.0	4735.9	4772.1	4791.0	4841.0	4899.5	4947.7
5°	4289.9	4284.7	4293.3	4351.9	4389.8	4491.4	4546.5	4584.4	4694.6	4832.3	4947.7
7.5°	4021.2	4031.5	4041.9	4105.6	4162.4	4272.6	4351.9	4408.7	4562.0	4766.9	4961.5
10°	3831.8	3831.8	3847.3	3919.6	3986.8	4122.8	4202.0	4274.4	4456.9	4708.3	4977.0
12.5°	3692.3	3694.0	3712.9	3795.6	3873.1	4014.3	4097.0	4167.6	4369.1	4649.8	4980.4
15°	3626.8	3621.7	3637.2	3725.0	3811.1	3943.7	4029.8	4098.7	4307.1	4617.1	4997.7
17.5°	3609.6	3606.2	3618.2	3704.3	3792.2	3921.3	4005.7	4074.6	4298.5	4627.4	5049.3
20°	3659.6	3652.7	3647.5	3721.6	3804.2	3931.7	4019.5	4097.0	4339.8	4684.2	5128.6
22.5°	3778.4	3778.4	3766.3	3802.5	3857.6	3973.0	4064.3	4165.9	4448.3	4797.9	5245.7
25°	3997.1	3979.9	3957.5	3973.0	3966.1	4038.4	4146.9	4288.1	4653.2	4985.6	5388.6
27.5°	4246.8	4262.3	4224.4	4226.1	4165.9	4140.0	4265.8	4479.3	4958.1	5250.8	5600.4
30°	4586.1	4574.0	4575.7	4570.6	4431.1	4308.8	4444.9	4729.0	5342.1	5655.5	5876.0
32.5°	4851.3	4868.5	4925.3	4958.1	4775.5	4579.2	4723.8	5068.3	5779.5	6117.1	6213.5
35°	5132.0	5163.0	5278.4	5385.2	5231.9	5006.3	5161.3	5517.8	6191.1	6573.4	6601.0
37.5°	5428.2	5490.2	5628.0	5815.7	5791.6	5591.8	5733.0	6046.5	6514.9	6849.0	6921.3
40°	5767.5	5827.7	6053.3	6323.7	6380.6	6335.8	6382.3	6564.8	6728.4	6861.0	7059.1
42.5°	6139.5	6222.1	6508.0	6869.6	7083.2	7122.8	7014.3	6995.4	6821.4	6723.3	7029.8
45°	6578.6	6675.0	6998.8	7467.2	7806.5	7859.9	7672.2	7429.3	6880.0	6621.7	6942.0
47.5°	7071.1	7162.4	7484.4	8047.6	8552.2	8572.8	8245.6	7854.7	7053.9	6738.8	7009.1
50°	7236.5	7293.3	7572.3	8233.6	9163.5	9322.0	8848.4	8333.5	7403.5	7083.2	7336.3
52.5°	6668.2	6690.5	6933.4	7601.6	9039.5	10057.3	9728.4	9048.2	8025.2	7608.4	7840.9
55°	5283.5	5247.4	5443.7	6056.8	7856.4	9907.5	10525.8	10171.0	8826.0	8225.0	8497.1
57.5°	3695.7	3652.7	3607.9	4022.9	5862.2	8398.9	9699.1	10327.7	9588.9	8836.3	9204.9
60°	3037.9	2996.5	2779.5	2588.4	3544.2	6031.0	7450.0	8633.1	9526.9	8805.3	9182.5
62.5°	2624.6	2600.4	2512.6	2252.6	2085.5	3442.6	4665.3	5798.5	7310.5	6914.4	6935.1
65°	2061.4	2054.5	2114.8	2142.4	1844.4	1904.7	2380.0	3013.8	3952.3	3726.7	3533.8
67.5°	1408.7	1393.2	1506.9	1853.0	1773.8	1503.4	1393.2	1405.3	1710.1	1045.3	830.1
70°	895.5	859.4	861.1	1148.7	1443.2	1186.6	1074.6	945.5	850.7	155.0	175.7
72.5°	573.5	551.1	473.6	518.4	668.2	578.6	583.8	502.9	335.8	82.7	96.4
75°	241.1	222.2	170.5	136.0	134.3	84.4	74.1	68.9	46.5	46.5	49.9
77.5°	1.7	0.0	0.0	1.7	3.4	1.7	1.7	3.4	6.9	10.3	12.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
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°	4949.4	4949.4	4949.4	4949.4	4949.4	4949.4	4949.4	4949.4	4949.4	4949.4	4949.4
2.5°	4977.0	4935.7	4982.2	4999.4	4997.7	4999.4	4949.4	4915.0	4913.3	4870.2	4849.6
5°	4995.9	4963.2	4997.7	4975.3	4921.9	4854.7	4765.2	4687.7	4653.2	4603.3	4579.2
7.5°	5032.1	4997.7	4992.5	4903.0	4770.3	4629.1	4470.7	4329.5	4253.7	4162.4	4167.6
10°	5057.9	5018.3	4951.2	4768.6	4548.2	4322.6	4086.7	3876.6	3743.9	3621.7	3601.0
12.5°	5068.3	5009.7	4853.0	4577.5	4267.5	3973.0	3626.8	3327.2	3120.5	2960.4	2938.0
15°	5087.2	4992.5	4727.3	4346.7	3921.3	3504.6	3063.7	2653.8	2380.0	2195.7	2211.2
17.5°	5116.5	4973.6	4586.1	4088.4	3549.3	2960.4	2364.5	1894.4	1642.9	1536.2	1537.9
20°	5157.8	4951.2	4431.1	3804.2	3103.3	2345.6	1653.3	1298.5	1227.9	1224.4	1219.3
22.5°	5212.9	4928.8	4265.8	3492.5	2574.6	1642.9	1100.5	990.2	1019.5	1076.3	1086.7
25°	5278.4	4901.2	4081.5	3141.2	1997.7	1078.1	824.9	807.7	878.3	954.1	971.3
27.5°	5380.0	4887.5	3871.4	2741.7	1401.8	773.2	675.1	685.4	749.1	812.9	828.4
30°	5552.2	4913.3	3642.3	2293.9	900.7	616.5	585.5	601.0	635.5	668.2	682.0
32.5°	5786.4	4989.1	3420.2	1804.8	642.4	535.6	528.7	537.3	551.1	570.0	575.2
35°	6060.2	5119.9	3191.1	1291.6	530.4	489.1	482.2	482.2	489.1	492.5	494.3
37.5°	6285.8	5257.7	2975.9	859.4	475.3	452.9	442.6	437.4	435.7	439.1	440.9
40°	6384.0	5314.5	2741.7	625.1	435.7	420.2	404.7	389.2	389.2	401.3	403.0
42.5°	6315.1	5250.8	2471.3	516.6	408.1	385.8	361.7	347.9	354.8	366.8	370.3
45°	6168.7	5094.1	2173.3	456.4	380.6	351.3	323.8	315.2	322.0	337.5	341.0
47.5°	6144.6	4990.8	1816.9	416.8	351.3	322.0	292.8	284.2	292.8	304.8	308.3
50°	6384.0	5080.3	1420.8	382.3	323.8	291.0	266.9	258.3	263.5	270.4	273.8
52.5°	6821.4	5412.7	1146.9	349.6	291.0	260.0	244.5	234.2	234.2	241.1	242.8
55°	7467.2	5993.1	990.2	311.7	253.2	235.9	222.2	211.8	211.8	215.3	217.0
57.5°	8211.2	6695.7	1026.4	261.8	222.2	213.5	201.5	192.9	196.3	196.3	196.3
60°	8107.9	6644.0	1098.7	220.4	196.3	192.9	182.5	179.1	187.7	180.8	177.4
62.5°	5972.4	4589.5	575.2	180.8	168.8	165.3	158.4	165.3	177.4	158.4	151.5
65°	2900.1	2221.6	230.8	148.1	142.9	139.5	136.0	146.4	153.3	124.0	117.1
67.5°	682.0	554.5	149.8	125.7	118.8	111.9	115.4	117.1	111.9	84.4	80.9
70°	177.4	173.9	117.1	105.1	94.7	87.8	87.8	86.1	74.1	53.4	49.9
72.5°	96.4	94.7	84.4	79.2	65.4	58.6	60.3	53.4	41.3	31.0	29.3
75°	48.2	51.7	48.2	44.8	36.2	32.7	32.7	29.3	20.7	12.1	12.1
77.5°	10.3	12.1	12.1	10.3	8.6	6.9	6.9	8.6	3.4	0.0	0.0
80°	1.7	1.7	1.7	1.7	1.7	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)