

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: P639353

Luminaire Tested: GWS-SA5B-760-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P639353  
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-SA5B-760-U-SL3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (80) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

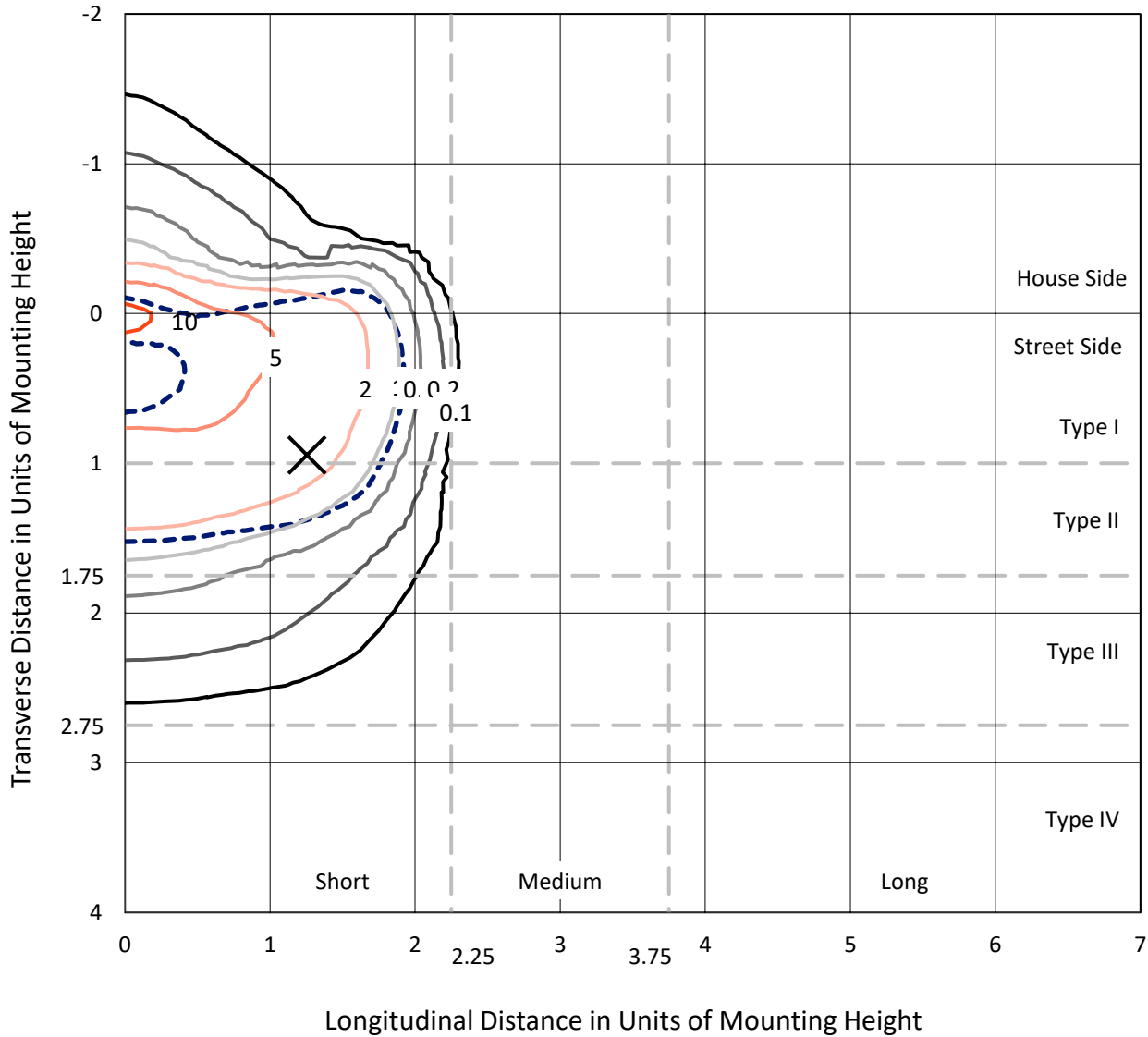
Lumens per Lamp: N/A  
Luminaire Lumens: 10477.7 lumens  
Efficiency: N/A  
Efficacy: 90.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 115.7  
Input Voltage (V): 120  
Input Current (Ain): 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

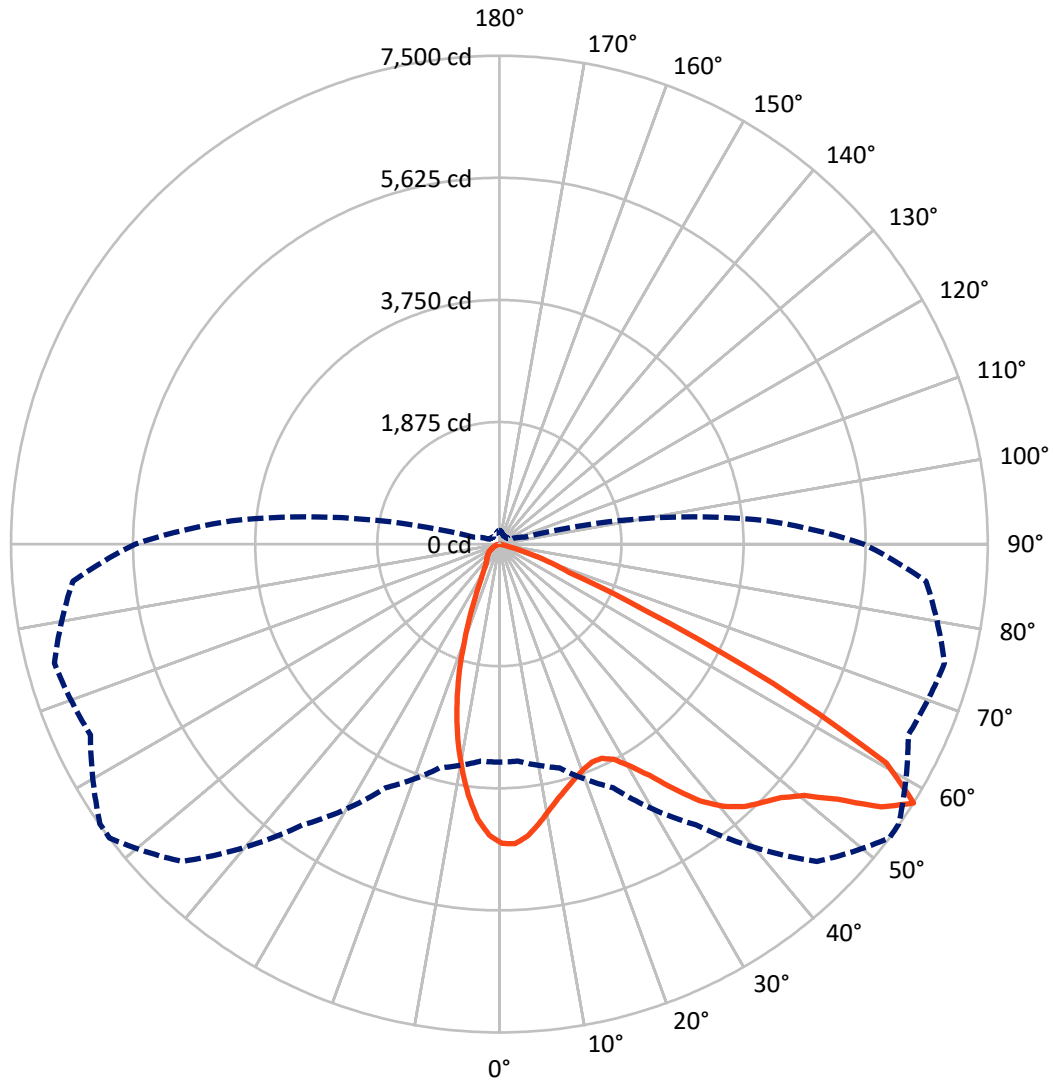
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.5 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
<b>House Side</b>	Lumens	1730.8	0.0	1730.8
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	8746.9	0.0	8746.9
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	10477.7	0.0	10477.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	393.2	3.8
10°-20°	863.3	8.2
20°-30°	1124.6	10.7
30°-40°	1631.3	15.6
40°-50°	2353.9	22.5
50°-60°	2846.8	27.2
60°-70°	1160.2	11.1
70°-80°	104.3	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°	10477.7	100.0
0°-180°	10477.7	100.0

**Coefficient of Utilization**



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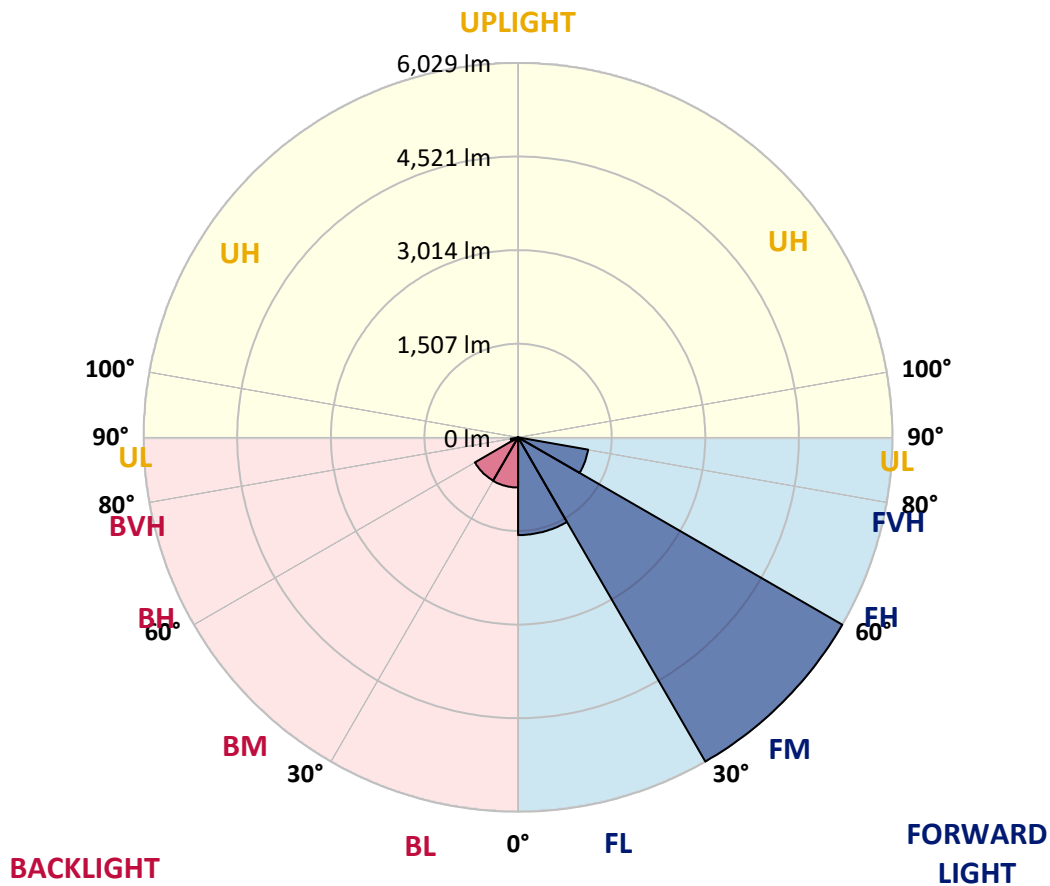
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1573.4	15.0			
FM (30°-60°)	6028.7	57.5			
FH (60°-80°)	1144.9	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	807.8	7.7	B2/1000		
BM (30°-60°)	803.3	7.7	B1/1000		
BH (60°-80°)	119.6	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: B2-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	4596.1	4596.1	4596.1	4596.1	4596.1	4596.1	4596.1	4596.1	4596.1	4596.1	4596.1
2.5°	4531.9	4542.2	4560.2	4583.3	4598.7	4606.4	4606.4	4628.2	4614.1	4602.5	4589.7
5°	4338.0	4348.3	4372.7	4409.9	4447.2	4474.1	4504.9	4528.1	4537.0	4537.0	4515.2
7.5°	4064.5	4078.6	4094.0	4145.4	4226.3	4286.6	4339.3	4372.7	4421.5	4436.9	4406.1
10°	3770.4	3784.5	3819.2	3889.8	3982.3	4072.2	4162.1	4204.4	4287.9	4331.6	4296.9
12.5°	3521.2	3527.7	3573.9	3658.7	3776.8	3900.1	4009.2	4052.9	4171.0	4236.5	4195.4
15°	3315.8	3319.6	3365.9	3459.6	3595.7	3747.3	3884.7	3929.6	4074.7	4173.6	4112.0
17.5°	3160.4	3161.7	3201.5	3302.9	3445.5	3613.7	3776.8	3832.0	4019.5	4138.9	4046.5
20°	3082.1	3078.2	3106.5	3195.1	3329.9	3498.1	3690.8	3758.8	3988.7	4133.8	3996.4
22.5°	3083.3	3074.4	3085.9	3148.8	3263.1	3421.1	3636.8	3713.9	3991.3	4155.6	3954.0
25°	3156.5	3143.7	3146.3	3179.7	3260.6	3404.4	3644.5	3726.7	4042.6	4228.8	3938.6
27.5°	3279.8	3265.7	3265.7	3282.4	3326.1	3457.0	3740.8	3834.6	4180.0	4371.4	3970.7
30°	3439.1	3424.9	3419.8	3436.5	3472.5	3593.2	3955.3	4052.9	4415.0	4605.1	4073.5
32.5°	3621.4	3604.7	3613.7	3636.8	3671.5	3838.4	4231.4	4361.1	4709.1	4919.7	4258.4
35°	3814.0	3799.9	3841.0	3891.1	3945.0	4178.8	4612.8	4725.8	5070.0	5311.4	4540.9
37.5°	3997.7	3991.3	4077.3	4182.6	4294.3	4587.1	5000.6	5088.0	5379.5	5737.8	4886.3
40°	4181.3	4180.0	4327.7	4512.6	4691.1	4994.2	5294.7	5366.6	5568.2	6069.1	5217.7
42.5°	4386.8	4386.8	4591.0	4837.5	5075.1	5338.4	5510.5	5542.6	5653.0	6260.4	5466.8
45°	4583.3	4594.8	4831.1	5117.5	5398.7	5606.8	5659.4	5662.0	5687.7	6373.4	5673.6
47.5°	4738.7	4748.9	5031.5	5361.5	5664.6	5811.0	5818.7	5807.1	5778.9	6481.3	5832.8
50°	4864.5	4879.9	5175.3	5524.6	5846.9	6007.4	6066.5	6055.0	5983.0	6596.9	5944.5
52.5°	4926.2	4948.0	5225.4	5605.5	6049.8	6343.9	6508.3	6535.2	6288.7	6661.1	6051.1
55°	4433.0	4465.1	4720.7	5240.8	6162.8	6864.0	7122.1	7117.0	6620.0	6852.4	6310.5
57.5°	3347.9	3345.3	3557.2	4126.1	5263.9	6893.5	7499.7	7489.4	6929.5	7074.6	6576.3
60°	2279.4	2264.0	2320.5	2595.3	3680.5	5615.8	6825.5	6964.2	6709.9	6535.2	5583.7
62.5°	1876.2	1862.1	1844.1	1768.3	2113.8	3498.1	4715.5	4926.2	4892.8	4542.2	3502.0
65°	1535.9	1547.4	1597.5	1565.4	1470.4	1794.0	2447.7	2572.2	2351.4	1978.9	1223.8
67.5°	1132.7	1137.8	1203.3	1372.8	1321.4	1194.3	1151.9	1172.5	687.0	315.9	204.2
70°	669.1	672.9	733.3	960.6	1072.3	916.9	778.2	766.7	272.2	84.8	92.5
72.5°	378.8	371.1	382.7	457.2	584.3	486.7	400.7	364.7	82.2	47.5	47.5
75°	179.8	174.6	150.3	141.3	128.4	82.2	51.4	43.7	20.5	19.3	19.3
77.5°	1.3	3.9	2.6	3.9	3.9	2.6	1.3	1.3	3.9	3.9	5.1
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°	4596.1	4596.1	4596.1	4596.1	4596.1	4596.1	4596.1	4596.1	4596.1	4596.1	4596.1
2.5°	4566.6	4528.1	4519.1	4516.5	4480.5	4442.0	4402.2	4386.8	4363.7	4349.6	4361.1
5°	4480.5	4425.3	4376.5	4331.6	4252.0	4164.6	4088.9	4040.1	3993.8	3963.0	3970.7
7.5°	4358.5	4286.6	4174.9	4060.6	3914.2	3783.2	3636.8	3546.9	3463.5	3417.2	3439.1
10°	4228.8	4133.8	3955.3	3761.4	3531.5	3326.1	3116.7	2945.9	2847.0	2753.3	2763.6
12.5°	4101.7	3975.9	3708.7	3414.7	3124.4	2821.4	2505.5	2269.2	2107.4	1990.5	1972.5
15°	3983.6	3821.7	3468.6	3080.8	2685.2	2282.0	1878.8	1541.0	1353.5	1238.0	1230.3
17.5°	3878.3	3677.9	3219.5	2731.5	2235.8	1719.5	1255.9	1003.0	895.1	845.0	839.9
20°	3776.8	3532.8	2965.2	2377.0	1745.2	1207.1	866.8	750.0	715.3	694.7	697.3
22.5°	3679.2	3374.9	2698.1	1984.1	1308.6	847.6	671.6	626.7	622.8	625.4	626.7
25°	3597.0	3229.7	2423.3	1605.2	933.6	645.9	561.2	548.3	559.9	576.6	579.2
27.5°	3554.6	3111.6	2154.9	1223.8	675.5	525.2	486.7	491.8	512.4	530.4	532.9
30°	3566.2	3023.0	1877.5	887.4	520.1	443.0	430.2	440.5	461.0	477.7	480.3
32.5°	3648.4	2978.0	1593.7	645.9	427.6	386.5	381.4	389.1	407.1	419.9	421.2
35°	3811.5	2988.3	1324.0	494.4	367.3	344.2	342.9	348.0	357.0	366.0	367.3
37.5°	4051.6	3071.8	1058.2	410.9	332.6	315.9	310.8	310.8	317.2	321.0	323.6
40°	4309.7	3197.6	847.6	363.4	308.2	290.2	280.0	276.1	281.2	286.4	287.7
42.5°	4522.9	3323.5	688.3	330.0	288.9	264.5	251.7	249.1	255.6	264.5	267.1
45°	4686.0	3421.1	574.0	303.1	267.1	240.1	226.0	226.0	237.6	253.0	255.6
47.5°	4835.0	3499.4	489.3	278.7	246.6	218.3	204.2	206.8	226.0	246.6	250.4
50°	4936.4	3562.3	426.4	256.8	229.9	200.3	187.5	192.6	215.7	240.1	244.0
52.5°	5045.6	3639.4	385.3	237.6	214.5	186.2	174.6	178.5	204.2	231.2	236.3
55°	5347.4	3897.5	384.0	211.9	187.5	166.9	161.8	163.1	188.8	219.6	226.0
57.5°	5593.9	4124.8	409.7	178.5	156.7	146.4	143.8	145.1	168.2	202.9	210.6
60°	4628.2	3205.3	339.0	147.7	131.0	128.4	124.6	127.1	149.0	179.8	186.2
62.5°	2739.2	1832.5	161.8	113.0	111.7	109.2	105.3	110.4	131.0	158.0	161.8
65°	936.2	543.2	102.7	92.5	95.0	91.2	87.3	92.5	110.4	125.9	127.1
67.5°	179.8	143.8	82.2	77.1	78.3	70.6	69.3	74.5	84.8	87.3	86.0
70°	93.7	83.5	62.9	62.9	60.4	50.1	50.1	55.2	55.2	51.4	50.1
72.5°	48.8	46.2	41.1	46.2	38.5	30.8	30.8	33.4	30.8	25.7	25.7
75°	19.3	19.3	18.0	23.1	16.7	14.1	12.8	15.4	11.6	9.0	9.0
77.5°	5.1	5.1	5.1	6.4	3.9	3.9	2.6	2.6	1.3	0.0	0.0
80°	0.0	1.3	0.0	1.3	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)