

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: P634832

Luminaire Tested: GWS-SA3C-750-U-AFL-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634832  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-750-U-AFL-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

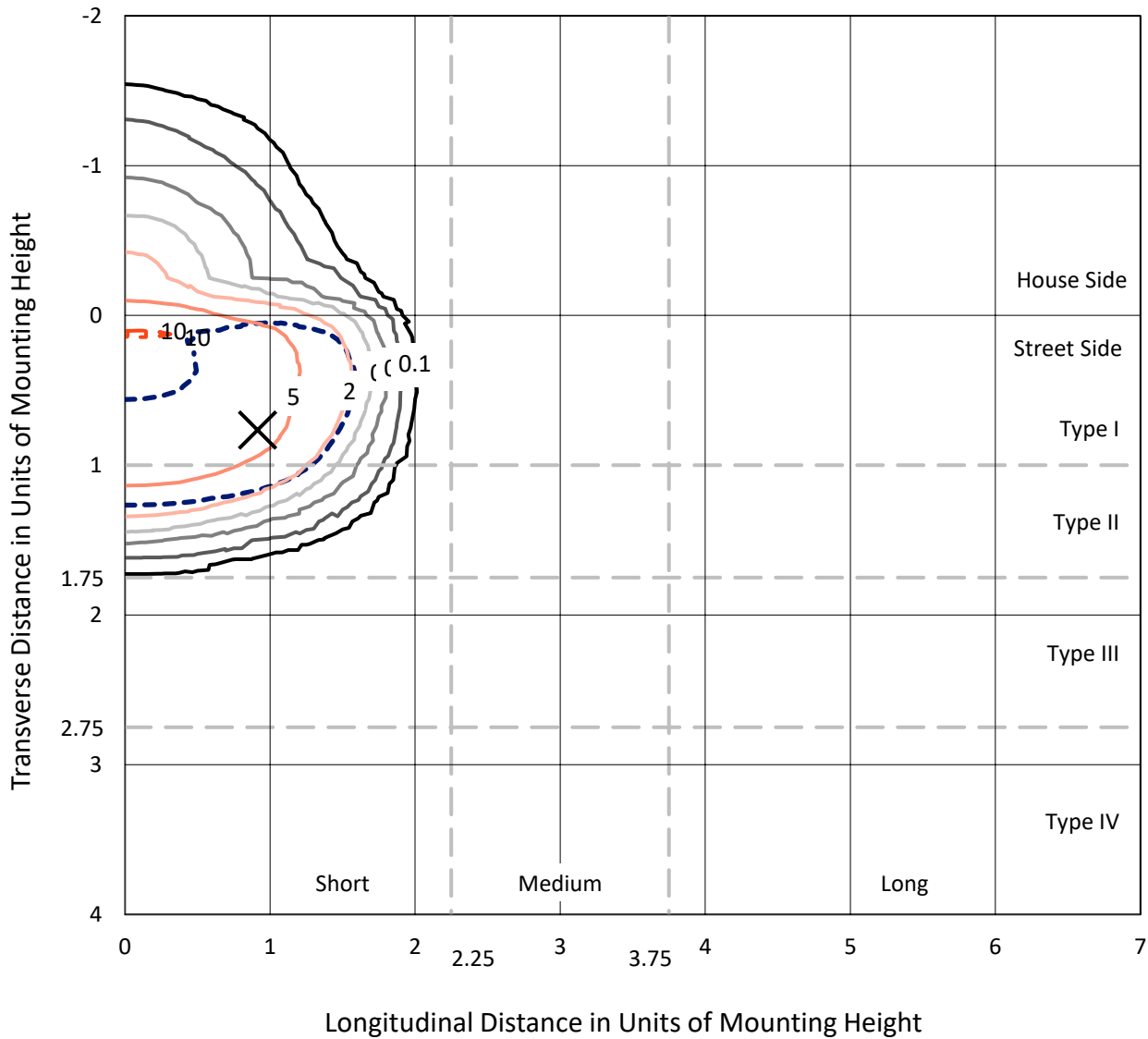
Lumens per Lamp: N/A  
Luminaire Lumens: 10746.8 lumens  
Efficiency: N/A  
Efficacy: 115.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): 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

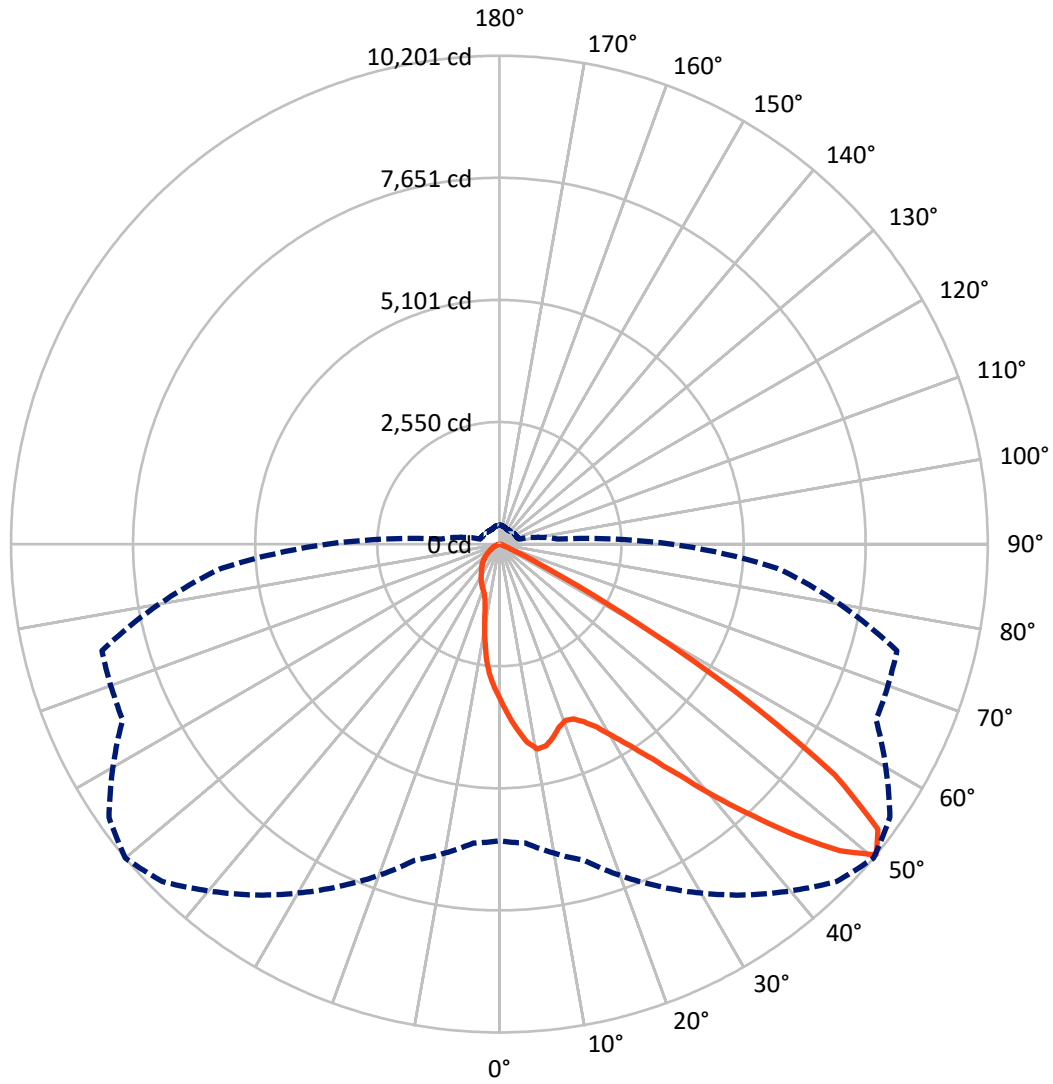
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1380.8	0.0	1380.8
	% Fixture	12.8	0.0	12.8
<b>Street Side</b>	Lumens	9366.0	0.0	9366.0
	% Fixture	87.2	0.0	87.2
<b>Total</b>	Lumens	10746.8	0.0	10746.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	302.0	2.8
10°-20°	779.3	7.3
20°-30°	1286.1	12.0
30°-40°	2122.3	19.7
40°-50°	3357.9	31.2
50°-60°	2542.3	23.7
60°-70°	318.2	3.0
70°-80°	36.0	0.3
80°-90°	2.7	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°	10746.8	100.0
0°-180°	10746.8	100.0

**Coefficient of Utilization**

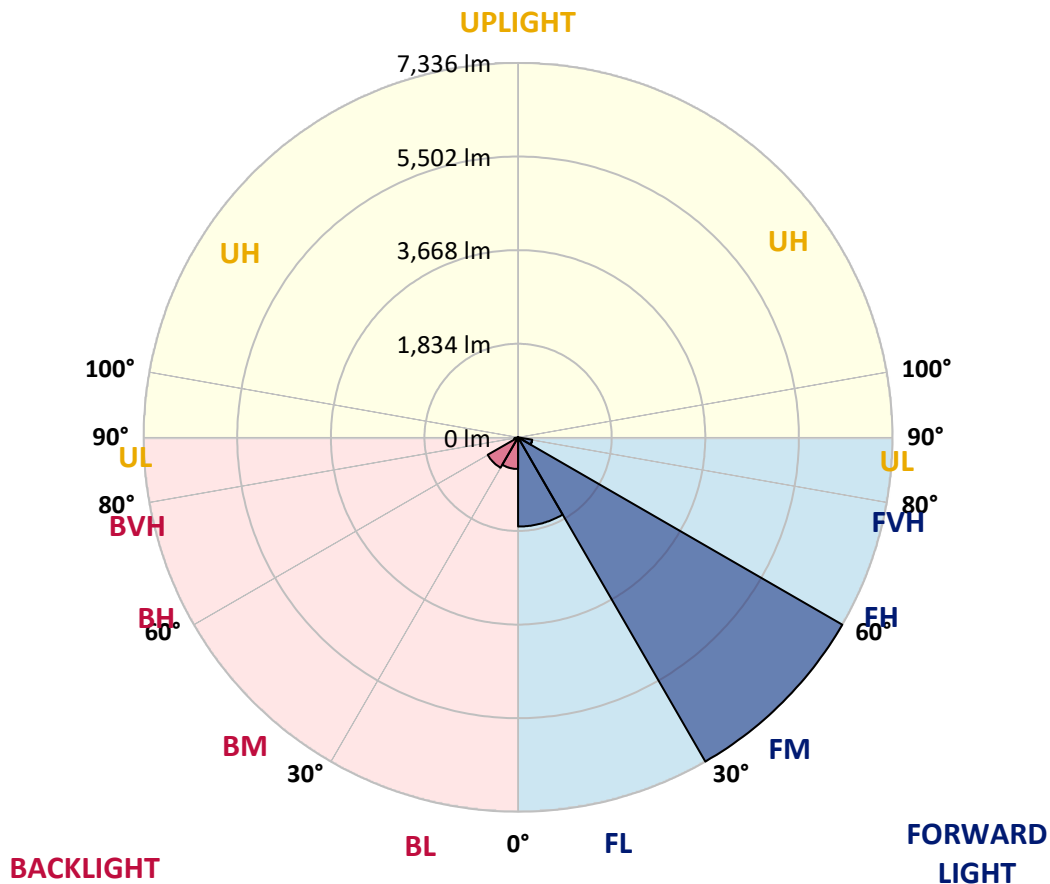


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1747.6	16.3			
FM (30°-60°)	7335.8	68.3			
FH (60°-80°)	281.3	2.6			G0/660
FVH (80°-90°)	1.3	0.0			G0/10
BL (0°-30°)	619.8	5.8	B2/1000		
BM (30°-60°)	686.7	6.4	B1/1000		
BH (60°-80°)	72.9	0.7	B0/110		G0/110
BVH (80°-90°)	1.5	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-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	3255.9	3255.9	3255.9	3255.9	3255.9	3255.9	3255.9	3255.9	3255.9	3255.9	3255.9
2.5°	3710.0	3739.7	3731.5	3692.6	3650.7	3621.0	3575.0	3560.7	3456.3	3383.7	3307.0
5°	4158.0	4167.2	4157.0	4110.0	4036.3	3965.7	3890.0	3846.1	3671.1	3513.6	3353.0
7.5°	4265.4	4254.2	4273.6	4297.2	4286.9	4256.2	4176.5	4128.4	3919.7	3663.0	3419.5
10°	3929.9	3904.4	3977.0	4098.7	4226.6	4370.8	4350.3	4354.4	4162.1	3851.2	3506.5
12.5°	3485.0	3474.8	3529.0	3670.1	3920.7	4248.1	4326.8	4458.8	4384.1	4054.7	3605.7
15°	3289.6	3294.7	3327.5	3416.4	3596.5	4003.6	4192.8	4431.2	4582.5	4252.1	3715.1
17.5°	3319.3	3337.7	3336.7	3366.3	3475.8	3802.1	4023.0	4344.2	4736.0	4479.2	3840.9
20°	3520.8	3539.2	3511.6	3489.1	3525.9	3750.9	3934.0	4256.2	4839.3	4708.4	3973.9
22.5°	3822.5	3844.0	3778.5	3714.1	3690.6	3834.8	3967.8	4220.4	4918.0	4918.0	4092.6
25°	4187.7	4217.4	4116.1	4001.5	3936.1	4011.8	4112.0	4301.2	4998.9	5106.3	4173.4
27.5°	4595.8	4596.9	4509.9	4381.0	4258.3	4267.5	4327.8	4483.3	5087.8	5308.8	4236.8
30°	5055.1	5058.2	4942.6	4788.1	4633.7	4591.7	4642.9	4760.5	5273.0	5563.5	4324.8
32.5°	5648.4	5662.7	5497.0	5269.9	5069.4	4990.7	5020.3	5144.1	5567.6	5882.6	4456.7
35°	6450.3	6465.7	6221.2	5921.5	5602.4	5483.7	5513.4	5638.2	5994.1	6335.8	4667.4
37.5°	7242.0	7262.5	7015.0	6735.7	6297.9	6101.5	6132.2	6250.9	6634.5	6961.8	5005.0
40°	7789.3	7816.9	7740.2	7552.0	7145.9	6888.1	6925.0	6967.9	7339.2	7710.5	5442.8
42.5°	8077.7	8116.6	8149.4	8245.5	8031.7	7815.9	7753.5	7756.6	8056.3	8473.6	5898.0
45°	8095.1	8133.0	8300.7	8672.0	8834.7	8789.7	8676.1	8599.4	8603.5	8982.0	6182.3
47.5°	7532.5	7603.1	7917.2	8644.4	9256.1	9629.5	9572.2	9390.1	8833.7	9015.7	6151.6
50°	6199.7	6269.3	6840.1	7886.5	8949.2	9965.0	10201.3	9956.8	8683.3	8595.3	5835.6
52.5°	4502.8	4509.9	4880.2	6102.6	7705.4	9346.1	9902.6	9879.1	8454.2	8085.9	5403.9
55°	2138.9	2113.3	2529.6	3444.1	5329.2	7559.1	8497.1	8763.1	8128.9	7717.7	5069.4
57.5°	622.9	635.2	820.4	1344.1	2665.6	4831.1	5819.2	6314.3	6672.3	6345.0	3932.0
60°	279.2	280.3	312.0	409.2	887.9	2247.3	3008.3	3621.0	3989.3	3696.7	1950.6
62.5°	202.5	203.6	215.8	231.2	301.8	761.0	1128.2	1503.6	1531.3	1002.4	494.1
65°	168.8	168.8	170.8	170.8	181.1	272.1	342.7	441.9	372.3	276.2	193.3
67.5°	136.0	137.1	139.1	139.1	136.0	136.0	147.3	161.6	172.9	213.8	178.0
70°	106.4	105.4	105.4	106.4	103.3	88.0	95.1	108.4	118.7	166.7	154.5
72.5°	82.9	83.9	82.9	78.8	71.6	52.2	56.3	70.6	75.7	104.3	104.3
75°	62.4	63.4	59.3	45.0	29.7	16.4	21.5	34.8	44.0	51.1	37.8
77.5°	8.2	8.2	6.1	6.1	5.1	6.1	6.1	8.2	12.3	12.3	9.2
80°	1.0	1.0	1.0	2.0	3.1	4.1	4.1	4.1	4.1	5.1	5.1
82.5°	1.0	1.0	1.0	1.0	3.1	3.1	4.1	4.1	4.1	4.1	4.1
85°	0.0	0.0	0.0	1.0	2.0	3.1	3.1	4.1	4.1	4.1	4.1
87.5°	0.0	0.0	0.0	1.0	2.0	3.1	3.1	3.1	4.1	4.1	4.1
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°	3255.9	3255.9	3255.9	3255.9	3255.9	3255.9	3255.9	3255.9	3255.9	3255.9	3255.9
2.5°	3261.0	3201.6	3130.0	3080.9	3011.4	2965.4	2899.9	2855.9	2818.1	2788.4	2804.8
5°	3262.0	3167.9	3021.6	2896.8	2760.8	2636.0	2502.0	2396.6	2301.5	2258.5	2282.1
7.5°	3282.4	3147.4	2923.4	2701.4	2440.6	2182.8	1941.4	1745.0	1647.9	1601.8	1616.2
10°	3322.3	3138.2	2814.0	2445.7	2022.2	1670.4	1436.1	1303.2	1248.9	1220.3	1225.4
12.5°	3359.2	3132.1	2671.8	2109.2	1595.7	1296.0	1174.3	1155.9	1167.1	1168.1	1167.1
15°	3409.3	3120.8	2495.8	1763.5	1276.6	1120.1	1123.1	1149.7	1176.3	1184.5	1182.5
17.5°	3462.5	3103.4	2268.8	1432.0	1083.2	1068.9	1104.7	1140.5	1167.1	1171.2	1172.2
20°	3517.7	3067.6	2010.0	1169.2	993.2	1030.0	1069.9	1096.5	1116.0	1122.1	1124.2
22.5°	3543.3	2991.9	1711.3	980.9	932.9	982.0	1011.6	1046.4	1052.6	1030.0	1034.1
25°	3530.0	2864.1	1419.8	854.1	872.5	921.6	965.6	948.2	922.6	906.3	911.4
27.5°	3488.0	2694.3	1134.4	761.0	808.1	870.5	875.6	856.2	852.1	838.8	842.9
30°	3443.0	2498.9	912.4	686.4	742.6	808.1	792.7	799.9	800.9	785.6	790.7
32.5°	3415.4	2294.3	726.3	636.2	700.7	713.0	743.6	758.0	759.0	723.2	729.3
35°	3424.6	2092.8	614.8	595.3	661.8	658.7	701.7	709.9	650.6	601.5	606.6
37.5°	3499.3	1906.7	551.3	563.6	594.3	617.8	650.6	596.3	583.0	560.5	563.6
40°	3638.4	1748.1	513.5	544.2	548.3	586.1	536.0	543.2	544.2	529.9	532.9
42.5°	3801.1	1616.2	491.0	532.9	522.7	528.8	478.7	493.0	508.4	502.2	503.3
45°	3882.9	1487.3	471.6	494.1	497.1	438.8	427.6	442.9	462.3	465.4	466.4
47.5°	3810.3	1364.5	451.1	437.8	458.3	399.9	386.7	391.8	414.3	426.5	428.6
50°	3588.3	1223.4	420.4	387.7	376.4	359.0	346.8	347.8	373.4	394.8	398.9
52.5°	3276.3	1076.1	370.3	328.3	302.8	316.1	319.1	313.0	336.5	358.0	362.1
55°	2973.5	892.0	293.6	267.0	243.4	272.1	280.3	272.1	279.2	293.6	294.6
57.5°	2093.9	504.3	225.0	220.9	201.5	233.2	246.5	234.2	222.0	231.2	233.2
60°	970.7	263.9	172.9	172.9	167.8	200.5	223.0	205.6	182.1	186.2	189.2
62.5°	303.8	166.7	126.8	119.7	137.1	170.8	189.2	171.8	144.2	144.2	148.3
65°	171.8	143.2	100.2	92.1	111.5	137.1	148.3	129.9	105.4	103.3	103.3
67.5°	159.6	136.0	89.0	74.7	78.8	88.0	92.1	79.8	72.6	71.6	72.6
70°	132.0	113.5	71.6	51.1	48.1	47.1	49.1	46.0	44.0	45.0	48.1
72.5°	81.8	68.5	45.0	30.7	26.6	25.6	25.6	25.6	24.5	24.5	24.5
75°	29.7	25.6	20.5	15.3	13.3	12.3	12.3	13.3	12.3	11.3	10.2
77.5°	9.2	8.2	8.2	8.2	7.2	6.1	5.1	5.1	4.1	3.1	3.1
80°	5.1	5.1	5.1	5.1	4.1	4.1	3.1	2.0	1.0	1.0	0.0
82.5°	5.1	5.1	5.1	4.1	4.1	4.1	3.1	2.0	1.0	0.0	0.0
85°	4.1	4.1	4.1	4.1	4.1	4.1	3.1	2.0	1.0	0.0	0.0
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	3.1	2.0	1.0	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)