

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: P634864

Luminaire Tested: GWS-SA3C-750-U-T2R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634864  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-750-U-T2R-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11507.8 lumens  
Efficiency: N/A  
Efficacy: 123.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

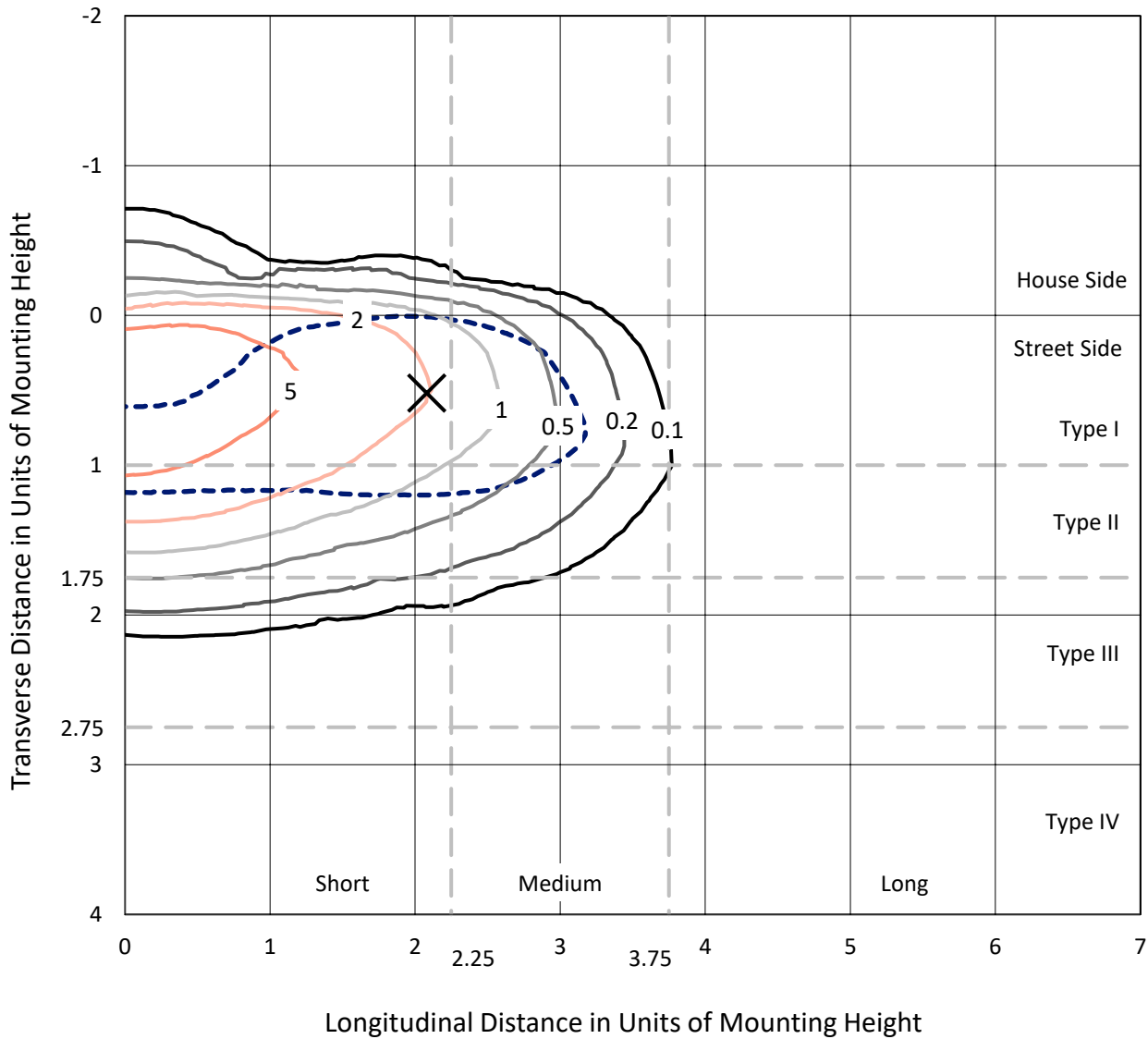
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

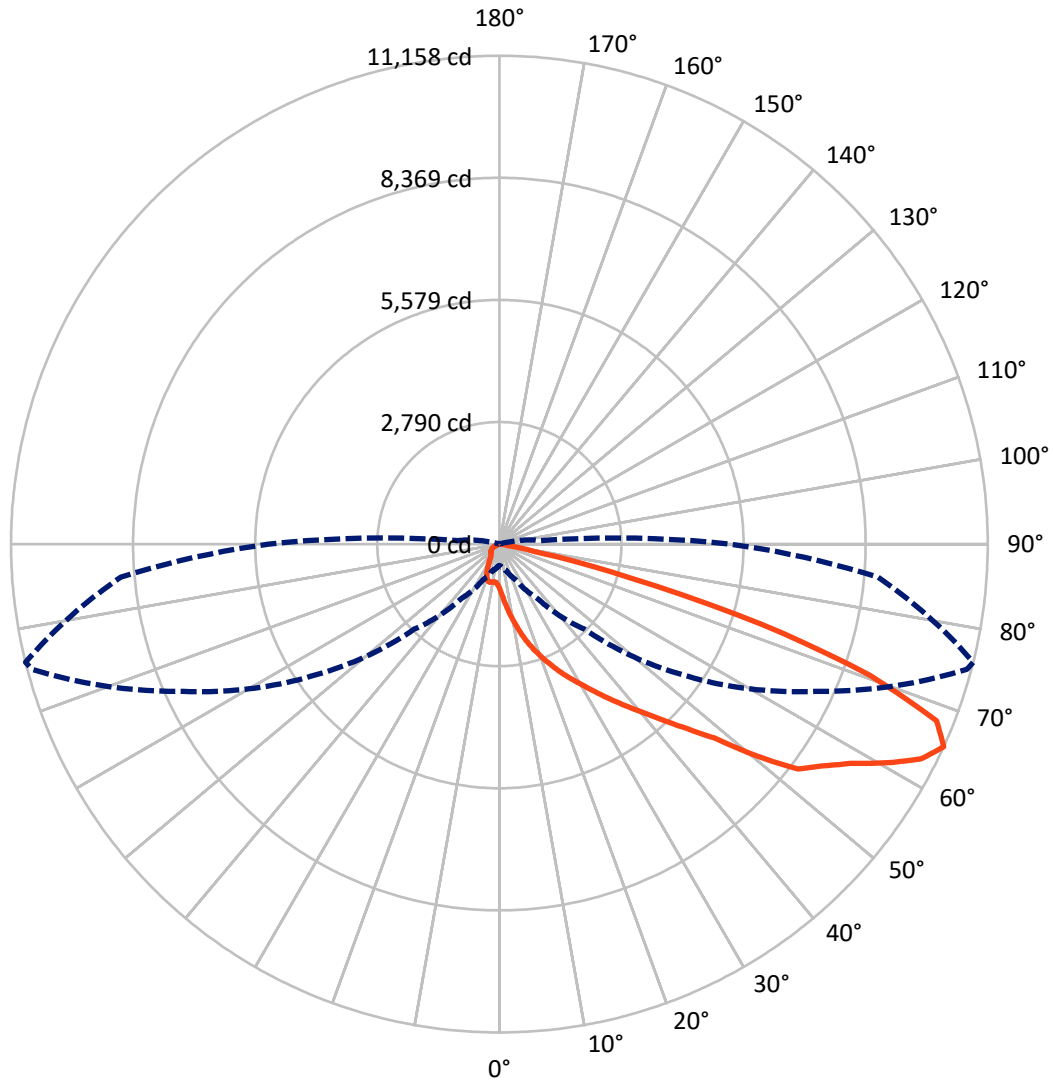
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	636.3	0.0	636.3
	% Fixture	5.5	0.0	5.5
<b>Street Side</b>	Lumens	10871.5	0.0	10871.5
	% Fixture	94.5	0.0	94.5
<b>Total</b>	Lumens	11507.8	0.0	11507.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.9	1.1
10°-20°	470.3	4.1
20°-30°	959.5	8.3
30°-40°	1706.6	14.8
40°-50°	2522.7	21.9
50°-60°	2888.3	25.1
60°-70°	2203.6	19.1
70°-80°	617.3	5.4
80°-90°	15.5	0.1
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°	11507.8	100.0
0°-180°	11507.8	100.0

**Coefficient of Utilization**



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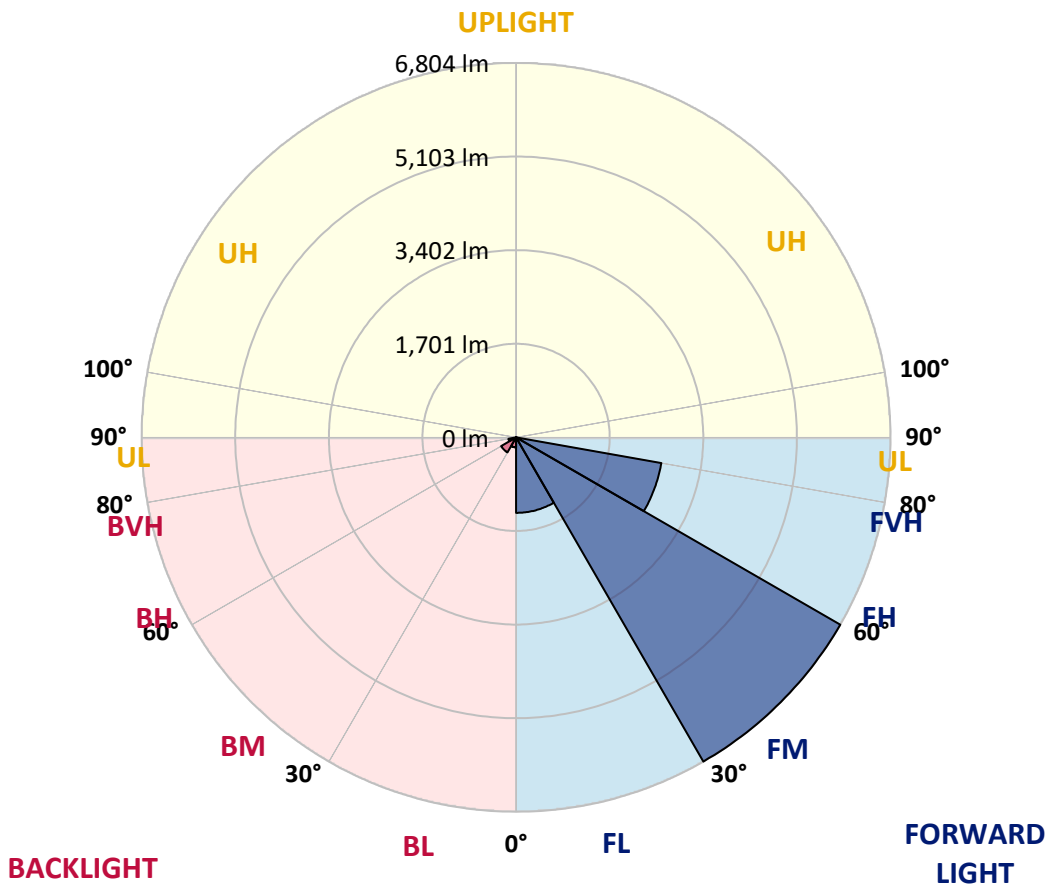
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1372.2	11.9			
FM (30°-60°)	6803.6	59.1			
FH (60°-80°)	2681.0	23.3			G2/5000
FVH (80°-90°)	14.6	0.1			G1/100
BL (0°-30°)	181.6	1.6	B1/500		
BM (30°-60°)	314.0	2.7	B1/1000		
BH (60°-80°)	139.9	1.2	B1/500		G1/500
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1018.9	1018.9	1018.9	1018.9	1018.9	1018.9	1018.9	1018.9	1018.9	1018.9	1018.9
2.5°	1570.2	1593.8	1575.3	1544.7	1485.3	1428.0	1354.4	1253.1	1172.3	1162.1	1086.4
5°	2120.6	2118.5	2078.6	2038.7	1976.3	1878.1	1729.8	1541.6	1360.5	1345.2	1175.4
7.5°	2447.9	2451.0	2428.5	2397.8	2336.4	2235.1	2080.7	1853.6	1588.6	1558.0	1297.1
10°	2723.1	2722.1	2705.7	2691.4	2636.1	2568.6	2402.9	2153.3	1834.2	1786.1	1433.2
12.5°	2929.7	2936.9	2945.1	2959.4	2935.9	2869.4	2712.9	2440.8	2082.7	2029.5	1588.6
15°	3093.4	3095.5	3126.1	3181.4	3200.8	3166.0	3023.8	2719.0	2328.2	2282.2	1767.7
17.5°	3142.5	3146.6	3198.8	3300.0	3402.3	3421.8	3314.4	2999.3	2569.7	2520.6	1941.6
20°	3245.8	3255.0	3293.9	3382.9	3511.8	3616.1	3574.2	3282.7	2811.1	2746.6	2119.6
22.5°	3571.1	3576.2	3562.9	3574.2	3640.7	3761.4	3787.0	3556.8	3058.6	2990.1	2311.9
25°	4130.7	4132.7	4039.6	3951.7	3901.5	3924.0	3980.3	3809.5	3304.1	3236.6	2490.9
27.5°	4711.7	4718.9	4607.4	4458.0	4279.0	4176.7	4160.3	4040.7	3551.7	3477.0	2667.9
30°	5259.0	5259.0	5141.4	4959.3	4719.9	4520.4	4402.8	4273.9	3816.6	3734.8	2848.9
32.5°	5751.0	5746.9	5596.6	5399.1	5162.8	4943.9	4696.4	4517.4	4111.2	4020.2	3057.6
35°	6157.1	6146.9	5976.1	5786.8	5534.2	5371.5	5095.3	4779.2	4430.4	4339.4	3272.4
37.5°	6464.0	6452.8	6296.3	6095.8	5861.5	5756.2	5525.0	5093.3	4767.0	4684.1	3510.8
40°	6630.8	6608.3	6499.8	6350.5	6154.1	6062.0	5965.9	5483.0	5162.8	5059.5	3792.1
42.5°	6679.9	6653.3	6581.7	6512.1	6393.4	6320.8	6424.1	5922.9	5597.6	5508.6	4113.3
45°	6534.6	6519.3	6513.1	6563.3	6584.7	6605.2	6859.9	6409.8	6077.4	6009.8	4517.4
47.5°	6184.8	6180.7	6234.9	6443.6	6670.7	6886.5	7333.5	7010.3	6699.3	6626.7	5082.0
50°	5538.3	5580.2	5731.6	6097.8	6552.0	7046.1	7776.5	7843.0	7705.9	7599.5	5818.6
52.5°	4527.6	4608.4	4948.0	5504.5	6157.1	7001.1	7981.1	8509.9	8650.1	8539.6	6346.4
55°	3552.7	3628.4	3931.2	4637.0	5507.6	6658.4	7990.3	8740.1	9046.0	8943.7	6703.4
57.5°	2646.4	2715.9	2991.1	3666.3	4623.7	5984.3	7771.4	8868.0	9515.5	9450.0	7267.0
60°	1729.8	1798.3	2046.9	2637.2	3586.5	5002.2	7232.3	8841.4	10154.8	10148.7	7959.6
62.5°	959.5	1013.7	1193.8	1654.1	2503.2	3873.9	6385.3	8574.4	10773.7	10812.6	8530.4
65°	491.0	525.8	635.3	909.4	1515.0	2746.6	5271.3	7962.7	11060.2	11158.4	8680.8
67.5°	321.2	332.5	359.1	472.6	811.2	1727.8	3967.0	6981.6	10657.1	10771.7	8176.5
70°	260.9	270.1	285.4	315.1	418.4	917.6	2605.5	5576.1	8904.8	8982.5	6511.1
72.5°	191.3	203.6	233.2	252.7	301.8	503.3	1355.4	3660.1	6115.2	6252.3	4091.8
75°	141.2	148.3	172.9	199.5	246.5	318.1	518.6	1924.2	3157.9	3078.1	1718.6
77.5°	84.9	90.0	110.5	127.9	175.9	198.5	181.1	711.0	960.6	903.3	415.3
80°	41.9	47.1	72.6	96.2	112.5	79.8	75.7	198.5	213.8	213.8	104.3
82.5°	14.3	18.4	38.9	63.4	55.2	30.7	35.8	51.1	57.3	60.4	30.7
85°	0.0	0.0	9.2	18.4	8.2	4.1	9.2	11.3	14.3	15.3	10.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.1	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°	1018.9	1018.9	1018.9	1018.9	1018.9	1018.9	1018.9	1018.9	1018.9	1018.9	1018.9
2.5°	1045.5	997.4	924.7	859.3	809.2	762.1	726.3	697.7	692.5	676.2	678.2
5°	1092.5	1005.6	871.6	768.2	695.6	646.5	605.6	574.9	561.6	548.3	538.1
7.5°	1165.1	1039.3	851.1	725.3	640.4	564.7	501.2	450.1	425.5	410.2	400.0
10°	1254.1	1086.4	852.1	699.7	573.9	458.3	371.3	315.1	288.5	280.3	279.3
12.5°	1360.5	1145.7	860.3	657.8	477.7	340.6	275.2	249.6	241.4	234.3	234.3
15°	1473.1	1212.2	860.3	581.0	364.2	266.0	238.3	222.0	211.8	207.7	205.6
17.5°	1591.7	1274.6	839.8	475.7	279.3	234.3	211.8	196.4	188.2	182.1	180.0
20°	1718.6	1333.9	788.7	364.2	239.4	209.7	188.2	172.9	164.7	158.6	158.6
22.5°	1847.5	1389.2	705.8	280.3	211.8	186.2	165.7	151.4	143.2	137.1	137.1
25°	1967.1	1426.0	599.4	231.2	191.3	165.7	147.3	133.0	123.8	119.7	117.6
27.5°	2078.6	1449.5	481.8	203.6	171.9	148.3	128.9	115.6	108.4	105.4	103.3
30°	2194.2	1455.7	368.3	185.2	155.5	130.9	112.5	102.3	96.2	92.1	92.1
32.5°	2306.8	1448.5	281.3	169.8	141.2	115.6	100.2	91.0	85.9	82.9	81.8
35°	2421.3	1415.8	228.1	156.5	126.8	101.3	89.0	81.8	78.8	74.7	74.7
37.5°	2546.1	1371.8	198.5	143.2	112.5	91.0	79.8	74.7	70.6	67.5	66.5
40°	2701.6	1320.6	182.1	132.0	99.2	81.8	71.6	66.5	63.4	60.4	59.3
42.5°	2885.7	1270.5	173.9	119.7	89.0	72.6	64.4	58.3	55.2	51.1	50.1
45°	3146.6	1259.3	164.7	106.4	79.8	65.5	56.3	50.1	46.0	43.0	41.9
47.5°	3566.0	1291.0	149.4	92.1	70.6	57.3	48.1	43.0	37.8	34.8	32.7
50°	3982.4	1282.8	134.0	79.8	62.4	49.1	40.9	35.8	30.7	27.6	26.6
52.5°	4209.4	1243.9	119.7	70.6	54.2	41.9	34.8	28.6	25.6	22.5	21.5
55°	4415.1	1228.6	105.4	61.4	46.0	36.8	28.6	23.5	21.5	18.4	17.4
57.5°	4818.1	1264.4	93.1	53.2	39.9	31.7	24.6	19.4	17.4	14.3	13.3
60°	5239.6	1268.5	79.8	46.0	34.8	26.6	19.4	15.3	13.3	10.2	9.2
62.5°	5459.5	1165.1	65.5	38.9	28.6	22.5	16.4	12.3	10.2	6.1	6.1
65°	5275.4	942.1	55.2	31.7	22.5	17.4	12.3	9.2	6.1	3.1	1.0
67.5°	4668.8	670.0	46.0	25.6	16.4	12.3	9.2	6.1	1.0	0.0	0.0
70°	3418.7	382.6	35.8	18.4	12.3	8.2	6.1	3.1	0.0	0.0	0.0
72.5°	2101.1	204.6	26.6	12.3	9.2	6.1	5.1	2.0	0.0	0.0	0.0
75°	796.9	98.2	16.4	8.2	7.2	5.1	3.1	1.0	0.0	0.0	0.0
77.5°	215.8	48.1	9.2	6.1	5.1	3.1	2.0	0.0	0.0	0.0	0.0
80°	56.3	22.5	6.1	4.1	3.1	2.0	0.0	0.0	0.0	0.0	0.0
82.5°	19.4	10.2	3.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0
85°	8.2	4.1	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.1	1.0	1.0	1.0	1.0	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)