

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: P635414

Luminaire Tested: GWS-SA3D-760-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635414
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-SA3D-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14318.8 lumens
Efficiency: N/A
Efficacy: 118.5 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

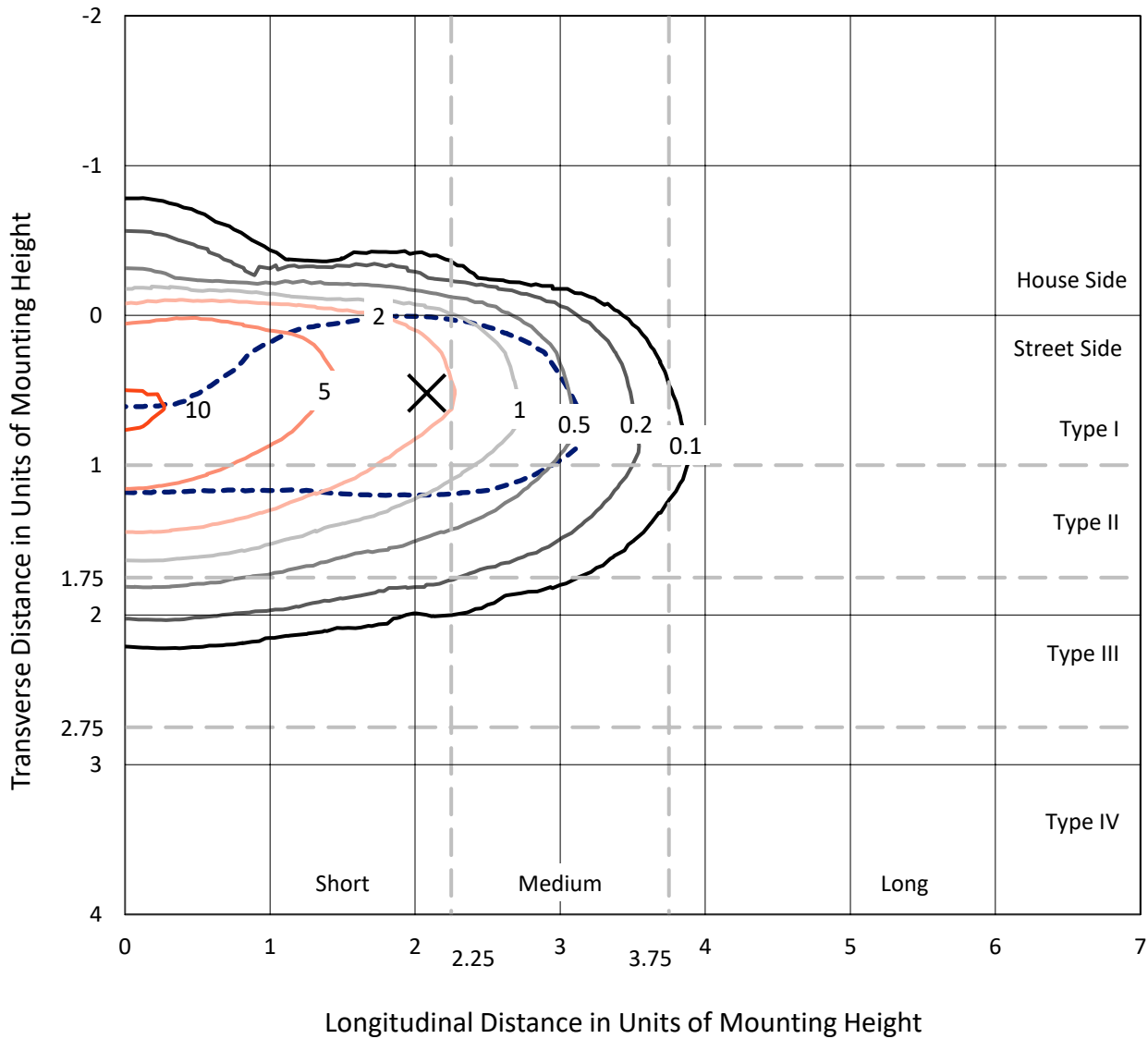
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

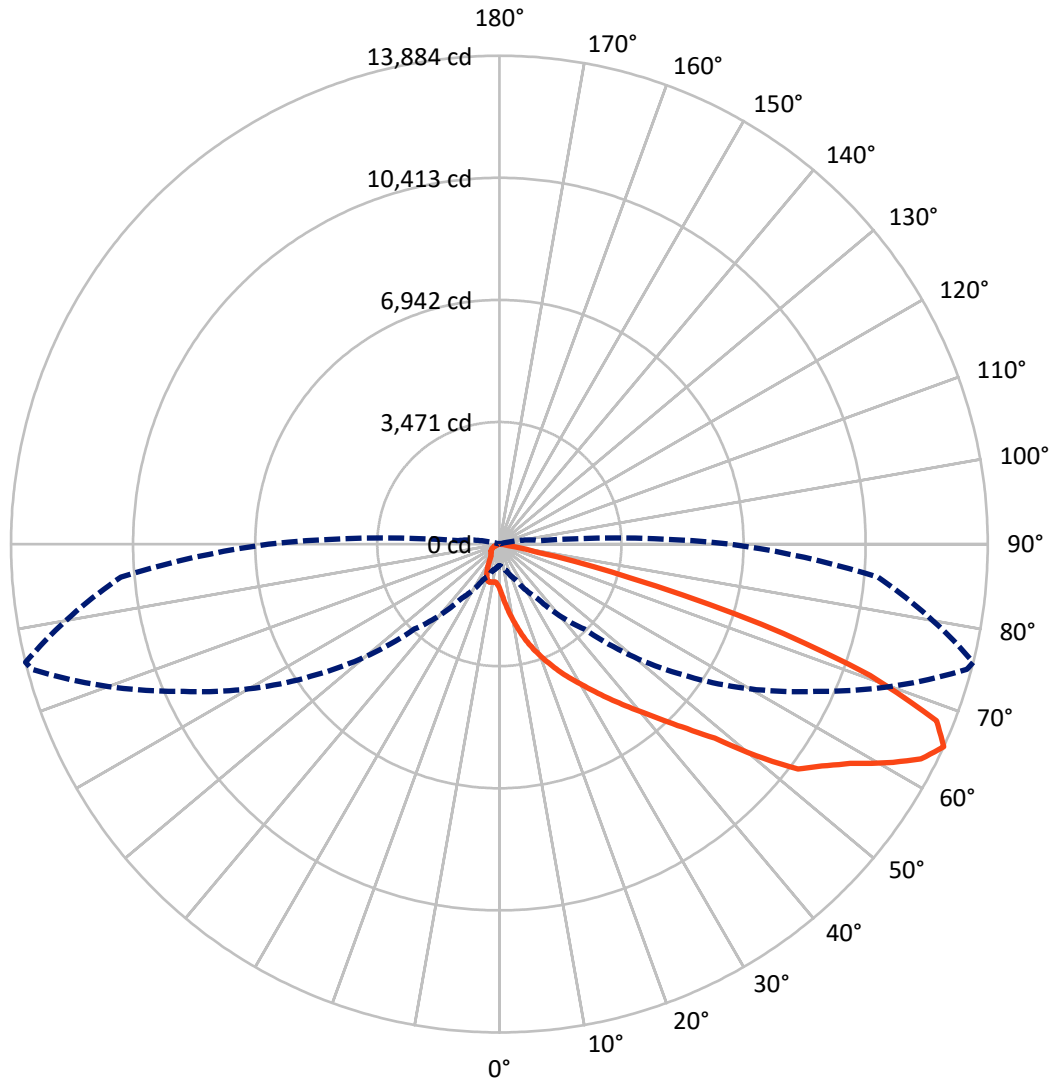
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.7 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
House Side	Lumens	791.7	0.0	791.7
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	13527.1	0.0	13527.1
	% Fixture	94.5	0.0	94.5
Total	Lumens	14318.8	0.0	14318.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.2	1.1
10°-20°	585.2	4.1
20°-30°	1193.9	8.3
30°-40°	2123.4	14.8
40°-50°	3138.9	21.9
50°-60°	3593.8	25.1
60°-70°	2741.9	19.1
70°-80°	768.1	5.4
80°-90°	19.3	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°	14318.8	100.0
0°-180°	14318.8	100.0

Coefficient of Utilization



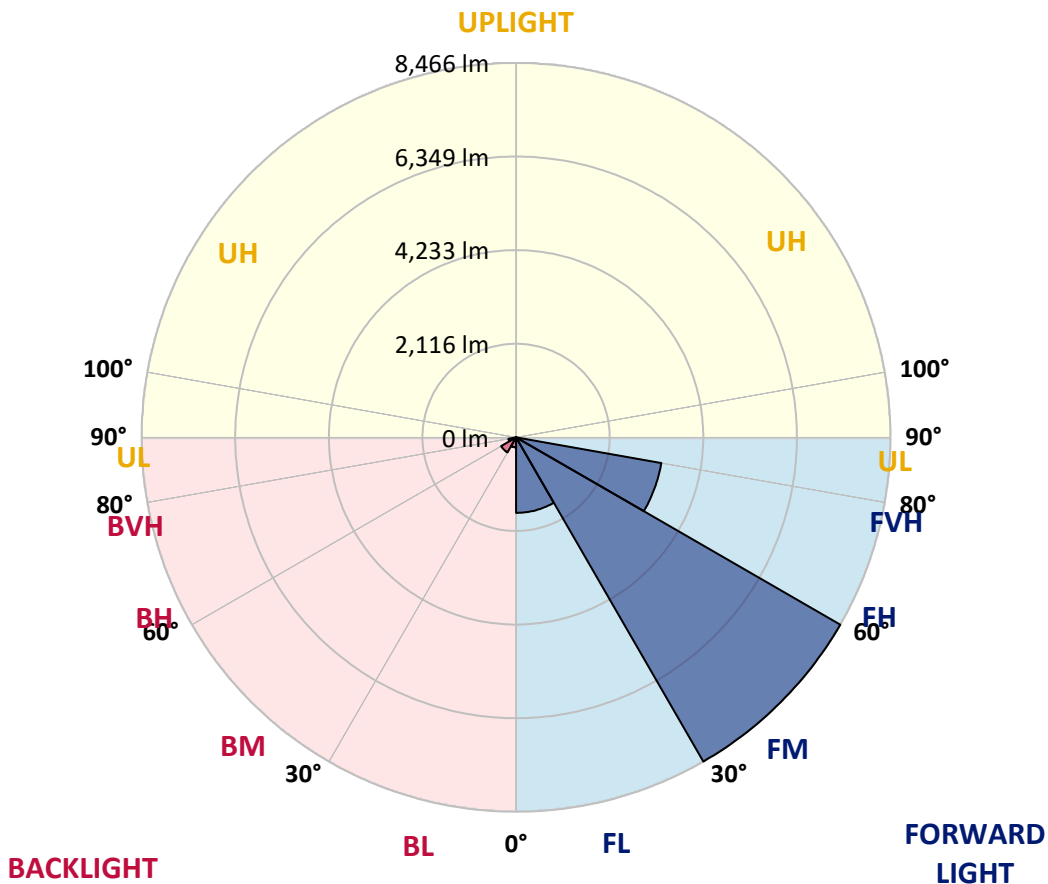
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1707.4	11.9			
FM (30°-60°)	8465.5	59.1			
FH (60°-80°)	3335.9	23.3			G2/5000
FVH (80°-90°)	18.2	0.1			G1/100
BL (0°-30°)	225.9	1.6	B1/500		
BM (30°-60°)	390.6	2.7	B1/1000		
BH (60°-80°)	174.1	1.2	B1/500		G1/500
BVH (80°-90°)	1.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1267.7	1267.7	1267.7	1267.7	1267.7	1267.7	1267.7	1267.7	1267.7	1267.7	1267.7
2.5°	1953.8	1983.1	1960.2	1922.0	1848.1	1776.9	1685.2	1559.2	1458.7	1445.9	1351.7
5°	2638.6	2636.0	2586.4	2536.7	2459.1	2336.9	2152.4	1918.2	1692.9	1673.8	1462.5
7.5°	3045.9	3049.7	3021.7	2983.5	2907.1	2781.1	2588.9	2306.4	1976.7	1938.5	1613.9
10°	3388.3	3387.0	3366.6	3348.8	3280.1	3196.1	2989.9	2679.3	2282.2	2222.4	1783.2
12.5°	3645.4	3654.3	3664.5	3682.3	3653.0	3570.3	3375.5	3037.0	2591.5	2525.3	1976.7
15°	3849.0	3851.6	3889.8	3958.5	3982.7	3939.4	3762.5	3383.2	2897.0	2839.7	2199.4
17.5°	3910.1	3915.2	3980.1	4106.1	4233.4	4257.6	4124.0	3731.9	3197.3	3136.2	2415.8
20°	4038.7	4050.1	4098.5	4209.2	4369.6	4499.4	4447.3	4084.5	3497.7	3417.5	2637.3
22.5°	4443.4	4449.8	4433.3	4447.3	4530.0	4680.2	4712.0	4425.6	3805.8	3720.5	2876.6
25°	5139.7	5142.2	5026.4	4916.9	4854.6	4882.6	4952.6	4740.0	4111.2	4027.2	3099.3
27.5°	5862.6	5871.6	5732.8	5547.0	5324.2	5197.0	5176.6	5027.7	4419.3	4326.3	3319.5
30°	6543.6	6543.6	6397.2	6170.7	5872.8	5624.6	5478.2	5317.9	4748.9	4647.1	3544.8
32.5°	7155.8	7150.7	6963.6	6718.0	6424.0	6151.6	5843.6	5620.8	5115.5	5002.2	3804.5
35°	7661.1	7648.4	7435.9	7200.4	6886.0	6683.6	6340.0	5946.6	5512.6	5399.3	4071.8
37.5°	8043.0	8029.0	7834.3	7584.8	7293.3	7162.2	6874.5	6337.4	5931.4	5828.3	4368.3
40°	8250.5	8222.5	8087.5	7901.7	7657.3	7542.8	7423.1	6822.4	6424.0	6295.4	4718.4
42.5°	8311.6	8278.5	8189.4	8102.8	7955.2	7864.8	7993.4	7369.7	6964.9	6854.2	5118.0
45°	8130.8	8111.7	8104.1	8166.5	8193.2	8218.6	8535.6	7975.5	7561.9	7477.9	5620.8
47.5°	7695.5	7690.4	7757.9	8017.5	8300.1	8568.7	9124.9	8722.7	8335.7	8245.4	6323.4
50°	6891.1	6943.3	7131.7	7587.3	8152.5	8767.2	9676.0	9758.8	9588.2	9455.8	7239.8
52.5°	5633.5	5734.1	6156.7	6849.1	7661.1	8711.2	9930.6	10588.7	10763.0	10625.6	7896.6
55°	4420.5	4514.7	4891.5	5769.7	6852.9	8284.8	9942.1	10875.0	11255.6	11128.3	8340.8
57.5°	3292.8	3379.4	3721.7	4561.8	5753.2	7446.0	9669.7	11034.1	11839.8	11758.4	9042.2
60°	2152.4	2237.6	2546.9	3281.3	4462.5	6224.1	8998.9	11001.0	12635.4	12627.7	9903.9
62.5°	1193.9	1261.4	1485.4	2058.2	3114.6	4820.2	7945.0	10668.8	13405.4	13453.8	10614.1
65°	611.0	654.2	790.4	1131.5	1885.1	3417.5	6558.9	9907.7	13761.8	13884.0	10801.2
67.5°	399.7	413.7	446.8	588.0	1009.4	2149.8	4936.0	8687.0	13260.3	13402.9	10173.7
70°	324.6	336.0	355.1	392.0	520.6	1141.7	3241.9	6938.2	11080.0	11176.7	8101.5
72.5°	238.0	253.3	290.2	314.4	375.5	626.2	1686.5	4554.2	7609.0	7779.5	5091.3
75°	175.7	184.6	215.1	248.2	306.8	395.8	645.3	2394.2	3929.2	3829.9	2138.3
77.5°	105.6	112.0	137.5	159.1	218.9	246.9	225.3	884.6	1195.2	1123.9	516.8
80°	52.2	58.6	90.4	119.6	140.0	99.3	94.2	246.9	266.0	266.0	129.8
82.5°	17.8	22.9	48.4	78.9	68.7	38.2	44.5	63.6	71.3	75.1	38.2
85°	0.0	0.0	11.5	22.9	10.2	5.1	11.5	14.0	17.8	19.1	12.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	3.8	5.1	5.1
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°	1267.7	1267.7	1267.7	1267.7	1267.7	1267.7	1267.7	1267.7	1267.7	1267.7	1267.7
2.5°	1300.8	1241.0	1150.6	1069.2	1006.8	948.3	903.7	868.1	861.7	841.3	843.9
5°	1359.4	1251.2	1084.4	955.9	865.5	804.4	753.5	715.3	698.8	682.2	669.5
7.5°	1449.8	1293.2	1059.0	902.4	796.8	702.6	623.7	560.0	529.5	510.4	497.7
10°	1560.5	1351.7	1060.3	870.6	714.1	570.2	462.0	392.0	358.9	348.8	347.5
12.5°	1692.9	1425.6	1070.4	818.4	594.4	423.9	342.4	310.6	300.4	291.5	291.5
15°	1832.9	1508.3	1070.4	723.0	453.1	330.9	296.6	276.2	263.5	258.4	255.8
17.5°	1980.5	1585.9	1045.0	591.9	347.5	291.5	263.5	244.4	234.2	226.6	224.0
20°	2138.3	1659.8	981.3	453.1	297.8	260.9	234.2	215.1	204.9	197.3	197.3
22.5°	2298.7	1728.5	878.3	348.8	263.5	231.7	206.2	188.4	178.2	170.6	170.6
25°	2447.6	1774.3	745.9	287.7	238.0	206.2	183.3	165.5	154.0	148.9	146.4
27.5°	2586.4	1803.6	599.5	253.3	213.8	184.6	160.4	143.8	134.9	131.1	128.6
30°	2730.2	1811.2	458.2	230.4	193.5	162.9	140.0	127.3	119.6	114.6	114.6
32.5°	2870.2	1802.3	350.0	211.3	175.7	143.8	124.7	113.3	106.9	103.1	101.8
35°	3012.8	1761.6	283.8	194.7	157.8	126.0	110.7	101.8	98.0	92.9	92.9
37.5°	3168.1	1706.9	246.9	178.2	140.0	113.3	99.3	92.9	87.8	84.0	82.7
40°	3361.5	1643.2	226.6	164.2	123.5	101.8	89.1	82.7	78.9	75.1	73.8
42.5°	3590.6	1580.9	216.4	148.9	110.7	90.4	80.2	72.6	68.7	63.6	62.4
45°	3915.2	1566.9	204.9	132.4	99.3	81.5	70.0	62.4	57.3	53.5	52.2
47.5°	4437.1	1606.3	185.8	114.6	87.8	71.3	59.8	53.5	47.1	43.3	40.7
50°	4955.1	1596.1	166.7	99.3	77.6	61.1	50.9	44.5	38.2	34.4	33.1
52.5°	5237.7	1547.8	148.9	87.8	67.5	52.2	43.3	35.6	31.8	28.0	26.7
55°	5493.5	1528.7	131.1	76.4	57.3	45.8	35.6	29.3	26.7	22.9	21.6
57.5°	5995.0	1573.2	115.8	66.2	49.6	39.5	30.5	24.2	21.6	17.8	16.5
60°	6519.4	1578.3	99.3	57.3	43.3	33.1	24.2	19.1	16.5	12.7	11.5
62.5°	6793.1	1449.8	81.5	48.4	35.6	28.0	20.4	15.3	12.7	7.6	7.6
65°	6564.0	1172.3	68.7	39.5	28.0	21.6	15.3	11.5	7.6	3.8	1.3
67.5°	5809.2	833.7	57.3	31.8	20.4	15.3	11.5	7.6	1.3	0.0	0.0
70°	4253.8	476.0	44.5	22.9	15.3	10.2	7.6	3.8	0.0	0.0	0.0
72.5°	2614.4	254.6	33.1	15.3	11.5	7.6	6.4	2.5	0.0	0.0	0.0
75°	991.5	122.2	20.4	10.2	8.9	6.4	3.8	1.3	0.0	0.0	0.0
77.5°	268.6	59.8	11.5	7.6	6.4	3.8	2.5	0.0	0.0	0.0	0.0
80°	70.0	28.0	7.6	5.1	3.8	2.5	0.0	0.0	0.0	0.0	0.0
82.5°	24.2	12.7	3.8	3.8	2.5	1.3	0.0	0.0	0.0	0.0	0.0
85°	10.2	5.1	2.5	2.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.8	1.3	1.3	1.3	1.3	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)