

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: P635359

Luminaire Tested: GWS-SA3D-750-U-T2R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635359  
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-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**

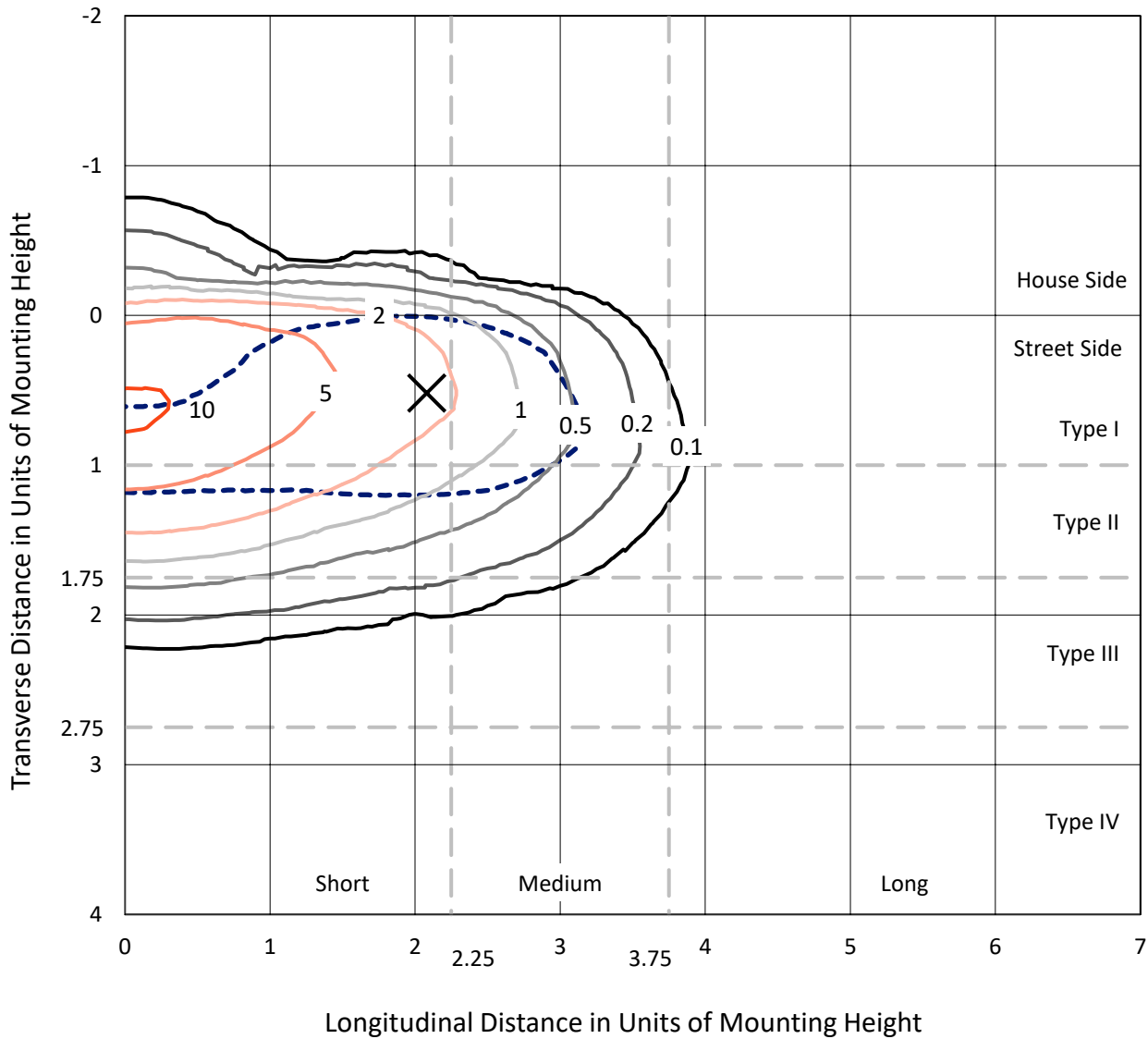
Lumens per Lamp: N/A  
Luminaire Lumens: 14517.8 lumens  
Efficiency: N/A  
Efficacy: 120.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

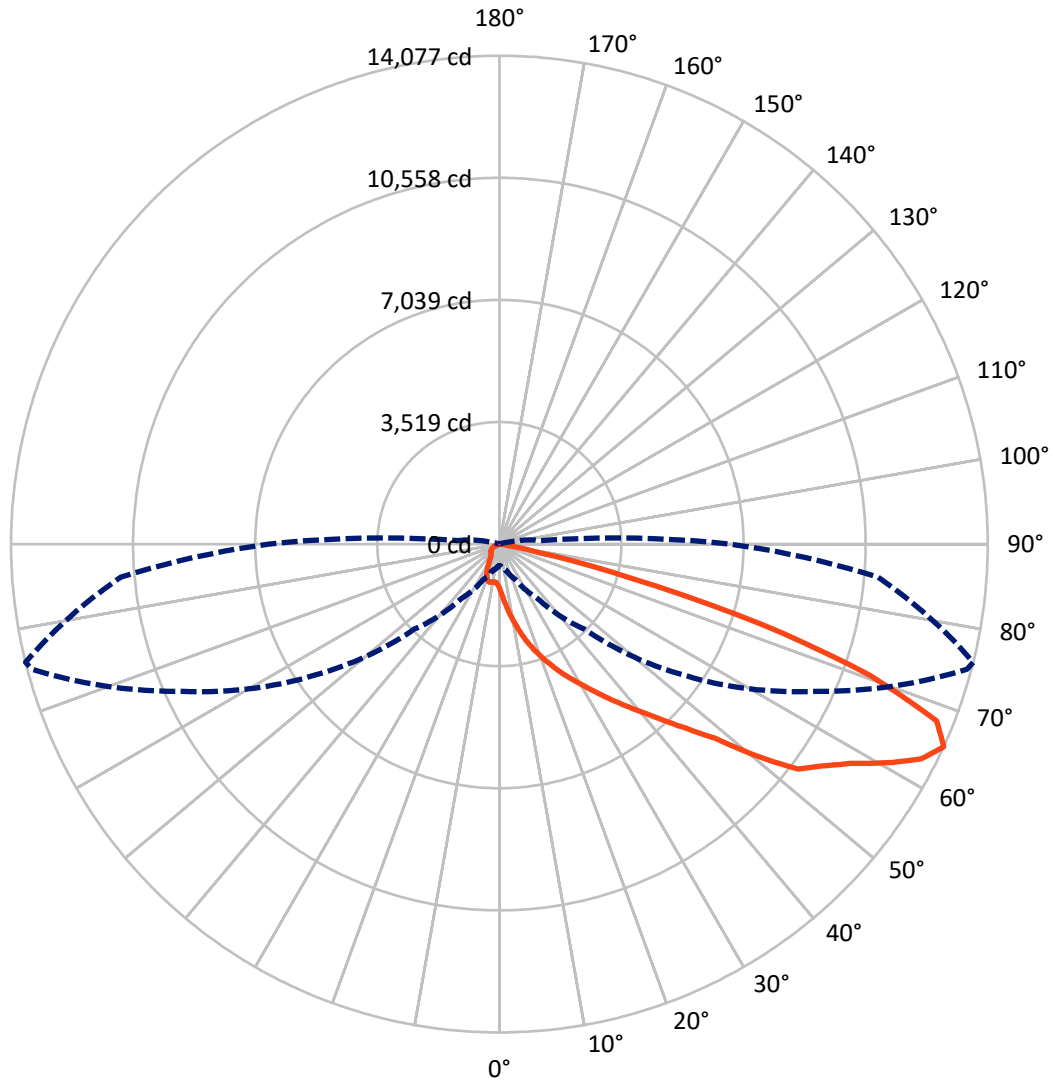
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.9 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	802.8	0.0	802.8
	% Fixture	5.5	0.0	5.5
<b>Street Side</b>	Lumens	13715.1	0.0	13715.1
	% Fixture	94.5	0.0	94.5
<b>Total</b>	Lumens	14517.8	0.0	14517.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.4	1.1
10°-20°	593.3	4.1
20°-30°	1210.5	8.3
30°-40°	2152.9	14.8
40°-50°	3182.5	21.9
50°-60°	3643.8	25.1
60°-70°	2780.0	19.1
70°-80°	778.7	5.4
80°-90°	19.6	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°	14517.8	100.0
0°-180°	14517.8	100.0

**Coefficient of Utilization**



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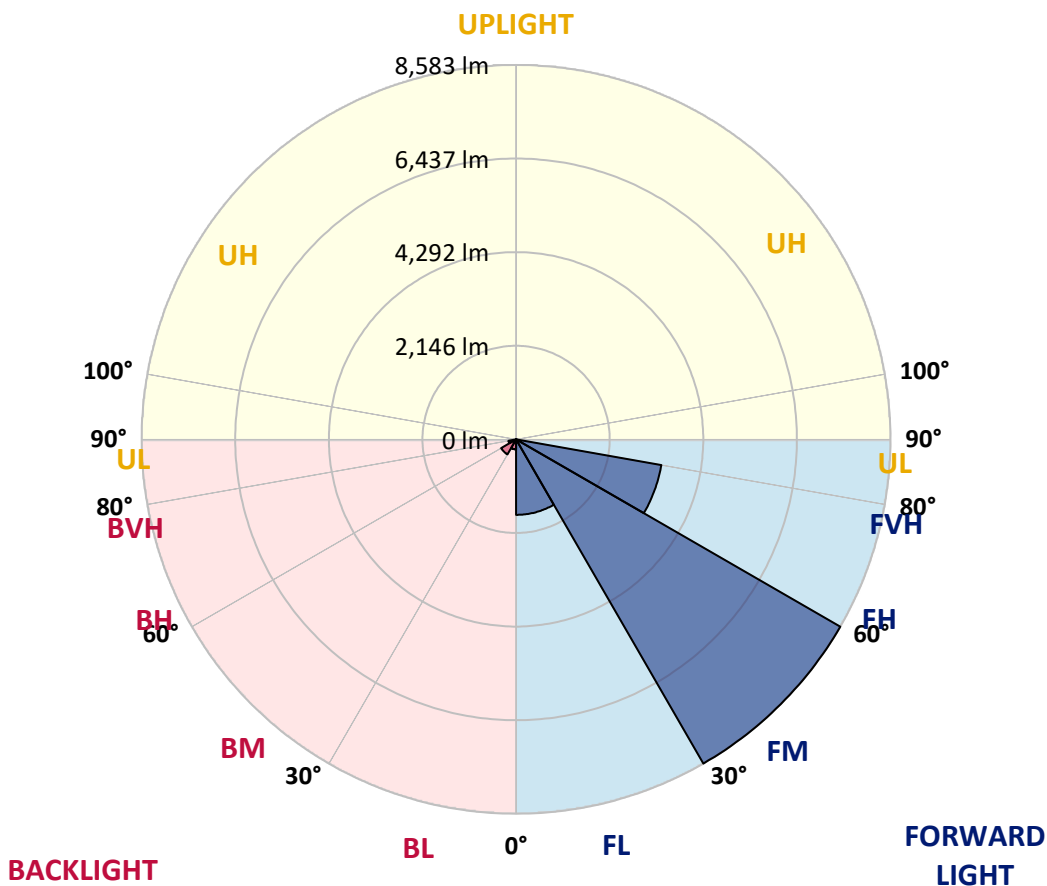
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1731.1	11.9			
FM (30°-60°)	8583.2	59.1			
FH (60°-80°)	3382.3	23.3			G2/5000
FVH (80°-90°)	18.5	0.1			G1/100
BL (0°-30°)	229.1	1.6	B1/500		
BM (30°-60°)	396.1	2.7	B1/1000		
BH (60°-80°)	176.5	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°	1285.4	1285.4	1285.4	1285.4	1285.4	1285.4	1285.4	1285.4	1285.4	1285.4	1285.4
2.5°	1980.9	2010.6	1987.4	1948.7	1873.8	1801.6	1708.6	1580.9	1478.9	1466.0	1370.5
5°	2675.2	2672.7	2622.3	2572.0	2493.3	2369.4	2182.3	1944.8	1716.4	1697.0	1482.8
7.5°	3088.2	3092.1	3063.7	3025.0	2947.5	2819.8	2624.9	2338.4	2004.2	1965.5	1636.4
10°	3435.4	3434.1	3413.4	3395.3	3325.7	3240.5	3031.4	2716.5	2313.9	2253.2	1808.0
12.5°	3696.0	3705.1	3715.4	3733.5	3703.8	3619.9	3422.5	3079.2	2627.5	2560.4	2004.2
15°	3902.5	3905.1	3943.8	4013.5	4038.0	3994.1	3814.8	3430.2	2937.2	2879.1	2230.0
17.5°	3964.5	3969.6	4035.4	4163.2	4292.3	4316.8	4181.3	3783.8	3241.8	3179.8	2449.4
20°	4094.8	4106.4	4155.5	4267.7	4430.3	4562.0	4509.1	4141.3	3546.3	3465.0	2674.0
22.5°	4505.2	4511.6	4494.9	4509.1	4592.9	4745.2	4777.5	4487.1	3858.6	3772.2	2916.6
25°	5211.1	5213.7	5096.3	4985.3	4922.0	4950.4	5021.4	4805.9	4168.4	4083.2	3142.4
27.5°	5944.1	5953.2	5812.5	5624.1	5398.2	5269.2	5248.5	5097.5	4480.7	4386.5	3365.7
30°	6634.5	6634.5	6486.1	6256.4	5954.4	5702.8	5554.4	5391.8	4814.9	4711.7	3594.1
32.5°	7255.3	7250.1	7060.4	6811.3	6513.2	6237.1	5924.8	5698.9	5186.6	5071.7	3857.4
35°	7767.6	7754.7	7539.2	7300.5	6981.7	6776.5	6428.1	6029.3	5589.2	5474.4	4128.4
37.5°	8154.8	8140.6	7943.1	7690.2	7394.7	7261.7	6970.1	6425.5	6013.8	5909.3	4429.1
40°	8365.1	8336.7	8199.9	8011.5	7763.7	7647.6	7526.3	6917.2	6513.2	6382.9	4783.9
42.5°	8427.1	8393.5	8303.2	8215.4	8065.7	7974.1	8104.4	7472.1	7061.7	6949.4	5189.2
45°	8243.8	8224.5	8216.7	8280.0	8307.1	8332.9	8654.2	8086.4	7667.0	7581.8	5698.9
47.5°	7802.5	7797.3	7865.7	8129.0	8415.5	8687.8	9251.7	8843.9	8451.6	8360.0	6411.3
50°	6986.9	7039.8	7230.8	7692.8	8265.8	8889.1	9810.5	9894.4	9721.5	9587.3	7340.5
52.5°	5711.8	5813.8	6242.2	6944.3	7767.6	8832.3	10068.6	10735.8	10912.6	10773.2	8006.4
55°	4482.0	4577.5	4959.5	5849.9	6948.1	8400.0	10080.2	11026.2	11412.0	11283.0	8456.8
57.5°	3338.6	3426.3	3773.5	4625.2	5833.1	7549.5	9804.1	11187.5	12004.4	11921.8	9167.8
60°	2182.3	2268.7	2582.3	3327.0	4524.6	6310.6	9124.0	11153.9	12811.0	12803.2	10041.5
62.5°	1210.5	1278.9	1506.0	2086.8	3157.9	4887.2	8055.4	10817.1	13591.7	13640.8	10761.6
65°	619.4	663.3	801.4	1147.3	1911.3	3465.0	6650.0	10045.4	13953.1	14077.0	10951.3
67.5°	405.2	419.4	453.0	596.2	1023.4	2179.7	5004.6	8807.8	13444.6	13589.1	10315.1
70°	329.1	340.7	360.1	397.5	527.8	1157.6	3286.9	7034.6	11233.9	11332.0	8214.1
72.5°	241.3	256.8	294.2	318.8	380.7	634.9	1709.9	4617.5	7714.7	7887.6	5162.1
75°	178.1	187.1	218.1	251.7	311.0	401.4	654.3	2427.5	3983.8	3883.2	2168.1
77.5°	107.1	113.6	139.4	161.3	222.0	250.4	228.4	896.9	1211.8	1139.5	523.9
80°	52.9	59.4	91.6	121.3	142.0	100.7	95.5	250.4	269.7	269.7	131.6
82.5°	18.1	23.2	49.0	80.0	69.7	38.7	45.2	64.5	72.3	76.1	38.7
85°	0.0	0.0	11.6	23.2	10.3	5.2	11.6	14.2	18.1	19.4	12.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	3.9	5.2	5.2
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°	1285.4	1285.4	1285.4	1285.4	1285.4	1285.4	1285.4	1285.4	1285.4	1285.4	1285.4
2.5°	1318.9	1258.3	1166.6	1084.0	1020.8	961.4	916.3	880.1	873.7	853.0	855.6
5°	1378.3	1268.6	1099.5	969.2	877.6	815.6	764.0	725.3	708.5	691.7	678.8
7.5°	1469.9	1311.2	1073.7	915.0	807.9	712.4	632.4	567.8	536.9	517.5	504.6
10°	1582.2	1370.5	1075.0	882.7	724.0	578.2	468.5	397.5	363.9	353.6	352.3
12.5°	1716.4	1445.4	1085.3	829.8	602.7	429.7	347.1	314.9	304.6	295.5	295.5
15°	1858.3	1529.3	1085.3	733.0	459.4	335.5	300.7	280.0	267.1	262.0	259.4
17.5°	2008.0	1608.0	1059.5	600.1	352.3	295.5	267.1	247.8	237.5	229.7	227.1
20°	2168.1	1682.8	995.0	459.4	302.0	264.6	237.5	218.1	207.8	200.0	200.0
22.5°	2330.7	1752.5	890.5	353.6	267.1	234.9	209.1	191.0	180.7	172.9	172.9
25°	2481.7	1799.0	756.2	291.7	241.3	209.1	185.8	167.8	156.2	151.0	148.4
27.5°	2622.3	1828.7	607.8	256.8	216.8	187.1	162.6	145.8	136.8	132.9	130.3
30°	2768.2	1836.4	464.6	233.6	196.2	165.2	142.0	129.1	121.3	116.1	116.1
32.5°	2910.1	1827.4	354.9	214.2	178.1	145.8	126.5	114.9	108.4	104.5	103.2
35°	3054.7	1786.1	287.8	197.4	160.0	127.8	112.3	103.2	99.4	94.2	94.2
37.5°	3212.1	1730.6	250.4	180.7	142.0	114.9	100.7	94.2	89.0	85.2	83.9
40°	3408.3	1666.1	229.7	166.5	125.2	103.2	90.3	83.9	80.0	76.1	74.8
42.5°	3640.5	1602.8	219.4	151.0	112.3	91.6	81.3	73.6	69.7	64.5	63.2
45°	3969.6	1588.6	207.8	134.2	100.7	82.6	71.0	63.2	58.1	54.2	52.9
47.5°	4498.7	1628.6	188.4	116.1	89.0	72.3	60.7	54.2	47.7	43.9	41.3
50°	5024.0	1618.3	169.1	100.7	78.7	61.9	51.6	45.2	38.7	34.8	33.6
52.5°	5310.5	1569.3	151.0	89.0	68.4	52.9	43.9	36.1	32.3	28.4	27.1
55°	5569.9	1549.9	132.9	77.4	58.1	46.5	36.1	29.7	27.1	23.2	21.9
57.5°	6078.3	1595.1	117.4	67.1	50.3	40.0	31.0	24.5	21.9	18.1	16.8
60°	6610.0	1600.2	100.7	58.1	43.9	33.6	24.5	19.4	16.8	12.9	11.6
62.5°	6887.5	1469.9	82.6	49.0	36.1	28.4	20.6	15.5	12.9	7.7	7.7
65°	6655.2	1188.6	69.7	40.0	28.4	21.9	15.5	11.6	7.7	3.9	1.3
67.5°	5889.9	845.3	58.1	32.3	20.6	15.5	11.6	7.7	1.3	0.0	0.0
70°	4312.9	482.7	45.2	23.2	15.5	10.3	7.7	3.9	0.0	0.0	0.0
72.5°	2650.7	258.1	33.6	15.5	11.6	7.7	6.5	2.6	0.0	0.0	0.0
75°	1005.3	123.9	20.6	10.3	9.0	6.5	3.9	1.3	0.0	0.0	0.0
77.5°	272.3	60.7	11.6	7.7	6.5	3.9	2.6	0.0	0.0	0.0	0.0
80°	71.0	28.4	7.7	5.2	3.9	2.6	0.0	0.0	0.0	0.0	0.0
82.5°	24.5	12.9	3.9	3.9	2.6	1.3	0.0	0.0	0.0	0.0	0.0
85°	10.3	5.2	2.6	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.9	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)