

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: P642344

Luminaire Tested: GWS-SA6C-760-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642344
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-SA6C-760-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23103.5 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G3

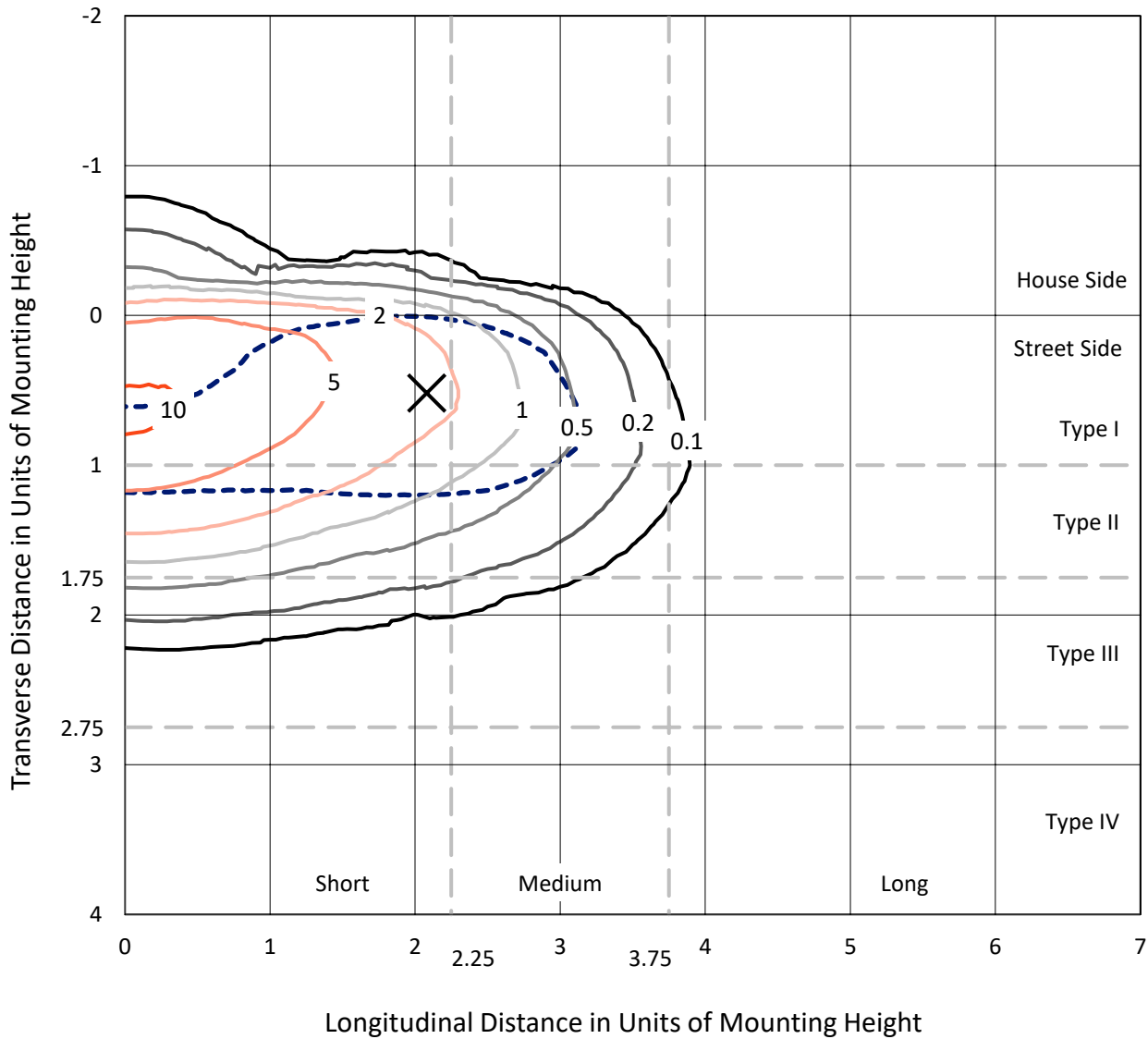
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

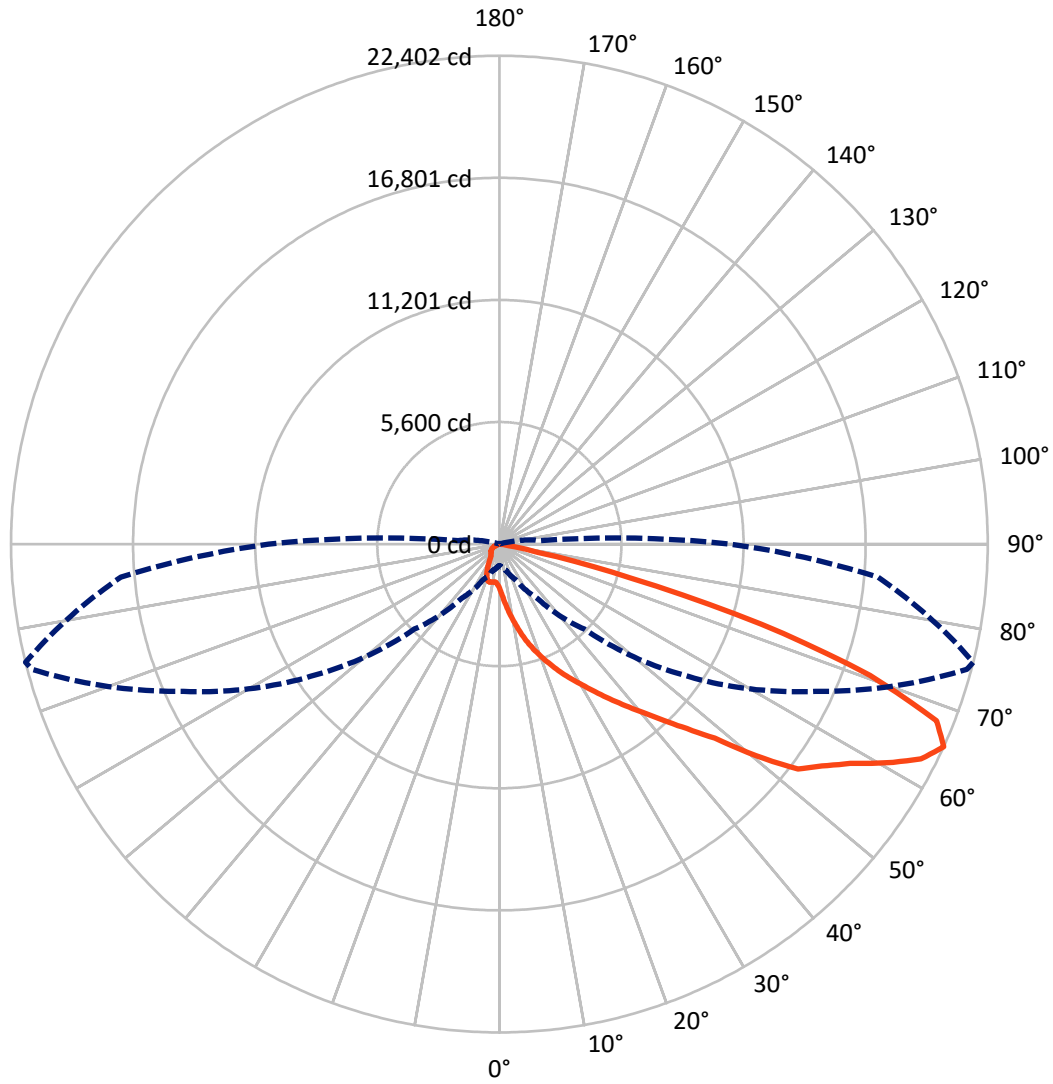
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 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	1277.5	0.0	1277.5
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	21826.0	0.0	21826.0
	% Fixture	94.5	0.0	94.5
Total	Lumens	23103.5	0.0	23103.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.8	1.1
10°-20°	944.2	4.1
20°-30°	1926.4	8.3
30°-40°	3426.1	14.8
40°-50°	5064.7	21.9
50°-60°	5798.6	25.1
60°-70°	4424.1	19.1
70°-80°	1239.3	5.4
80°-90°	31.2	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°	23103.5	100.0
0°-180°	23103.5	100.0

Coefficient of Utilization



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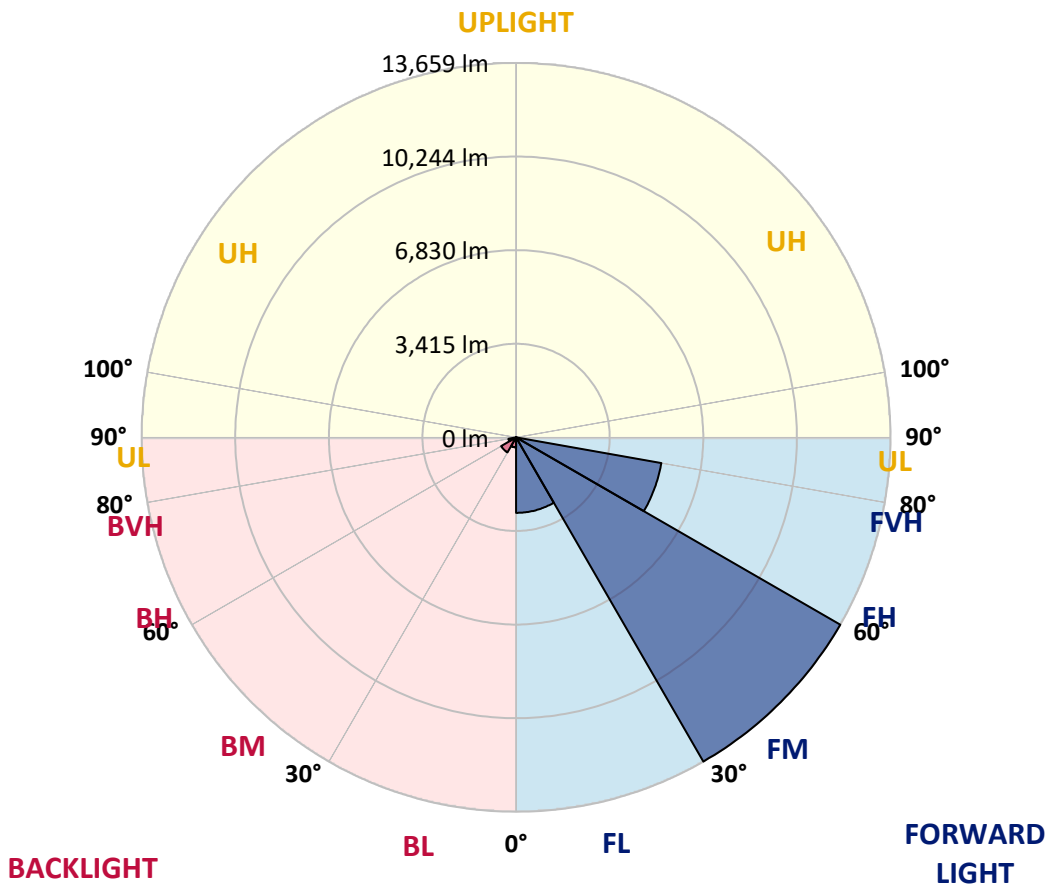
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2754.9	11.9			
FM (30°-60°)	13659.2	59.1			
FH (60°-80°)	5382.5	23.3			G3/7500
FVH (80°-90°)	29.4	0.1			G1/100
BL (0°-30°)	364.5	1.6	B1/500		
BM (30°-60°)	630.3	2.7	B1/1000		
BH (60°-80°)	280.8	1.2	B1/500		G1/500
BVH (80°-90°)	1.8	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2045.5	2045.5	2045.5	2045.5	2045.5	2045.5	2045.5	2045.5	2045.5	2045.5	2045.5
2.5°	3152.5	3199.7	3162.7	3101.1	2982.0	2867.0	2719.1	2515.8	2353.6	2333.0	2181.0
5°	4257.4	4253.2	4173.2	4093.1	3967.8	3770.6	3472.8	3095.0	2731.4	2700.6	2359.7
7.5°	4914.5	4920.7	4875.5	4813.9	4690.7	4487.4	4177.3	3721.3	3189.4	3127.8	2604.1
10°	5467.0	5464.9	5432.1	5403.3	5292.4	5156.9	4824.2	4323.1	3682.3	3585.8	2877.3
12.5°	5881.8	5896.2	5912.7	5941.4	5894.2	5760.7	5446.5	4900.2	4181.4	4074.6	3189.4
15°	6210.4	6214.5	6276.2	6387.1	6426.1	6356.3	6070.8	5458.8	4674.3	4581.8	3548.8
17.5°	6309.0	6317.2	6422.0	6625.3	6830.7	6869.7	6654.0	6021.5	5158.9	5060.4	3898.0
20°	6516.4	6534.9	6613.0	6791.6	7050.4	7259.9	7175.7	6590.4	5643.6	5514.2	4255.3
22.5°	7169.5	7179.8	7153.1	7175.7	7309.2	7551.5	7602.9	7140.8	6140.6	6003.0	4641.4
25°	8292.9	8297.0	8110.1	7933.5	7832.9	7878.1	7991.0	7648.0	6633.5	6498.0	5000.8
27.5°	9459.4	9473.8	9249.9	8950.1	8590.7	8385.3	8352.5	8112.2	7130.5	6980.6	5356.1
30°	10558.2	10558.2	10322.0	9956.4	9475.9	9075.4	8839.2	8580.4	7662.4	7498.1	5719.6
32.5°	11546.0	11537.8	11235.9	10839.5	10365.1	9925.6	9428.6	9069.2	8253.9	8071.1	6138.6
35°	12361.3	12340.8	11997.8	11617.9	11110.6	10784.1	10229.6	9595.0	8894.6	8711.9	6569.8
37.5°	12977.4	12954.8	12640.6	12238.1	11767.8	11556.3	11092.1	10225.5	9570.3	9404.0	7048.4
40°	13312.2	13267.0	13049.3	12749.5	12355.2	12170.3	11977.3	11007.9	10365.1	10157.7	7613.1
42.5°	13410.8	13357.4	13213.6	13074.0	12835.7	12689.9	12897.3	11891.0	11237.9	11059.3	8258.0
45°	13119.1	13088.3	13076.0	13176.7	13219.8	13260.9	13772.2	12868.6	12201.1	12065.6	9069.2
47.5°	12416.8	12408.6	12517.4	12936.4	13392.3	13825.6	14723.1	14074.1	13449.8	13304.0	10202.9
50°	11118.8	11203.0	11507.0	12242.2	13154.1	14146.0	15612.4	15745.9	15470.7	15257.1	11681.5
52.5°	9089.8	9252.0	9933.8	11051.1	12361.3	14055.6	16023.1	17084.9	17366.2	17144.4	12741.3
55°	7132.6	7284.5	7892.4	9309.5	11057.2	13367.6	16041.6	17547.0	18161.0	17955.7	13458.0
57.5°	5313.0	5452.6	6005.1	7360.5	9282.8	12014.2	15602.1	17803.7	19103.7	18972.2	14589.6
60°	3472.8	3610.4	4109.5	5294.5	7200.3	10042.7	14519.8	17750.3	20387.3	20374.9	15980.0
62.5°	1926.4	2035.2	2396.7	3320.9	5025.4	7777.4	12819.3	17214.3	21629.8	21707.8	17125.9
65°	985.8	1055.6	1275.4	1825.8	3041.6	5514.2	10582.8	15986.1	22204.8	22401.9	17427.8
67.5°	644.9	667.5	720.9	948.8	1628.6	3468.7	7964.3	14016.6	21395.6	21625.6	16415.4
70°	523.7	542.2	573.0	632.5	840.0	1842.2	5230.8	11194.8	17877.6	18033.7	13071.9
72.5°	384.0	408.7	468.2	507.3	605.8	1010.4	2721.2	7348.2	12277.1	12552.3	8214.9
75°	283.4	297.8	347.1	400.5	494.9	638.7	1041.2	3863.0	6339.8	6179.6	3450.2
77.5°	170.5	180.7	221.8	256.7	353.2	398.4	363.5	1427.3	1928.4	1813.4	833.8
80°	84.2	94.5	145.8	193.0	225.9	160.2	152.0	398.4	429.2	429.2	209.5
82.5°	28.8	37.0	78.0	127.3	110.9	61.6	71.9	102.7	115.0	121.2	61.6
85°	0.0	0.0	18.5	37.0	16.4	8.2	18.5	22.6	28.8	30.8	20.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	6.2	8.2	8.2
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°	2045.5	2045.5	2045.5	2045.5	2045.5	2045.5	2045.5	2045.5	2045.5	2045.5	2045.5
2.5°	2098.9	2002.4	1856.6	1725.1	1624.5	1530.0	1458.1	1400.6	1390.4	1357.5	1361.6
5°	2193.4	2018.8	1749.8	1542.3	1396.5	1297.9	1215.8	1154.2	1127.5	1100.8	1080.3
7.5°	2339.2	2086.6	1708.7	1456.1	1285.6	1133.7	1006.3	903.6	854.3	823.5	803.0
10°	2517.9	2181.0	1710.7	1404.7	1152.1	920.1	745.5	632.5	579.1	562.7	560.7
12.5°	2731.4	2300.2	1727.2	1320.5	959.1	683.9	552.4	501.1	484.7	470.3	470.3
15°	2957.4	2433.7	1727.2	1166.5	731.1	534.0	478.5	445.7	425.1	416.9	412.8
17.5°	3195.6	2558.9	1686.1	955.0	560.7	470.3	425.1	394.3	377.9	365.6	361.5
20°	3450.2	2678.0	1583.4	731.1	480.6	421.0	377.9	347.1	330.6	318.3	318.3
22.5°	3709.0	2788.9	1417.1	562.7	425.1	373.8	332.7	304.0	287.5	275.2	275.2
25°	3949.3	2862.9	1203.5	464.1	384.0	332.7	295.7	267.0	248.5	240.3	236.2
27.5°	4173.2	2910.1	967.3	408.7	345.0	297.8	258.8	232.1	217.7	211.5	207.4
30°	4405.2	2922.4	739.3	371.7	312.2	262.9	225.9	205.4	193.0	184.8	184.8
32.5°	4631.1	2908.1	564.8	340.9	283.4	232.1	201.3	182.8	172.5	166.4	164.3
35°	4861.1	2842.3	458.0	314.2	254.7	203.3	178.7	164.3	158.1	149.9	149.9
37.5°	5111.7	2754.0	398.4	287.5	225.9	182.8	160.2	149.9	141.7	135.5	133.5
40°	5423.9	2651.3	365.6	264.9	199.2	164.3	143.8	133.5	127.3	121.2	119.1
42.5°	5793.5	2550.7	349.1	240.3	178.7	145.8	129.4	117.1	110.9	102.7	100.6
45°	6317.2	2528.1	330.6	213.6	160.2	131.4	113.0	100.6	92.4	86.3	84.2
47.5°	7159.3	2591.8	299.8	184.8	141.7	115.0	96.5	86.3	76.0	69.8	65.7
50°	7995.1	2575.4	269.0	160.2	125.3	98.6	82.1	71.9	61.6	55.5	53.4
52.5°	8451.0	2497.3	240.3	141.7	108.8	84.2	69.8	57.5	51.3	45.2	43.1
55°	8863.8	2466.5	211.5	123.2	92.4	73.9	57.5	47.2	43.1	37.0	34.9
57.5°	9673.0	2538.4	186.9	106.8	80.1	63.7	49.3	39.0	34.9	28.8	26.7
60°	10519.1	2546.6	160.2	92.4	69.8	53.4	39.0	30.8	26.7	20.5	18.5
62.5°	10960.7	2339.2	131.4	78.0	57.5	45.2	32.9	24.6	20.5	12.3	12.3
65°	10591.0	1891.5	110.9	63.7	45.2	34.9	24.6	18.5	12.3	6.2	2.1
67.5°	9373.2	1345.2	92.4	51.3	32.9	24.6	18.5	12.3	2.1	0.0	0.0
70°	6863.5	768.1	71.9	37.0	24.6	16.4	12.3	6.2	0.0	0.0	0.0
72.5°	4218.3	410.7	53.4	24.6	18.5	12.3	10.3	4.1	0.0	0.0	0.0
75°	1599.8	197.2	32.9	16.4	14.4	10.3	6.2	2.1	0.0	0.0	0.0
77.5°	433.3	96.5	18.5	12.3	10.3	6.2	4.1	0.0	0.0	0.0	0.0
80°	113.0	45.2	12.3	8.2	6.2	4.1	0.0	0.0	0.0	0.0	0.0
82.5°	39.0	20.5	6.2	6.2	4.1	2.1	0.0	0.0	0.0	0.0	0.0
85°	16.4	8.2	4.1	4.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.2	2.1	2.1	2.1	2.1	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)