

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: P641845

Luminaire Tested: GWS-SA6B-760-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641845
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-760-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16000.6 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G3

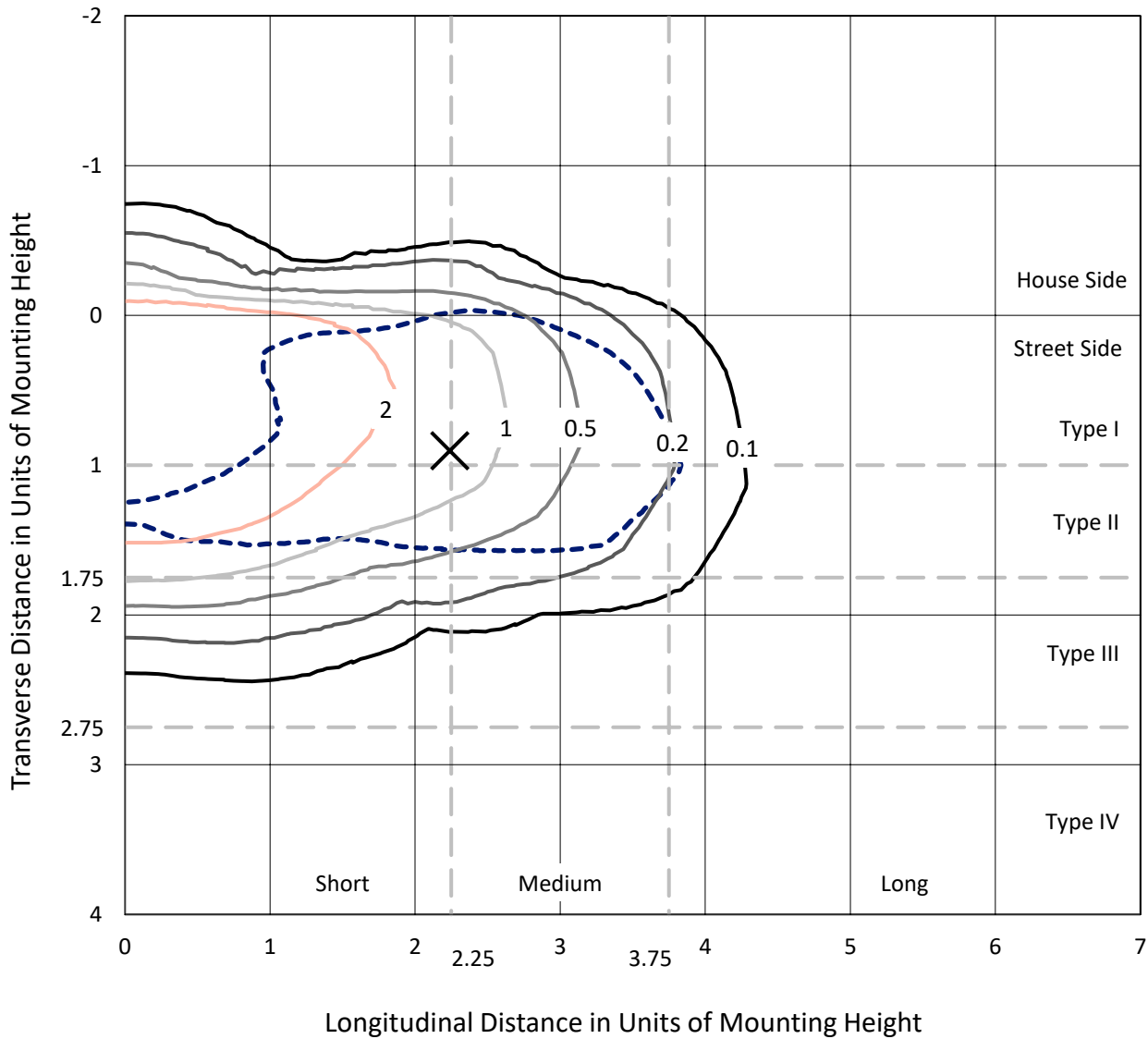
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641845
 CATALOG NUMBER: GWS-SA6B-760-U-T2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

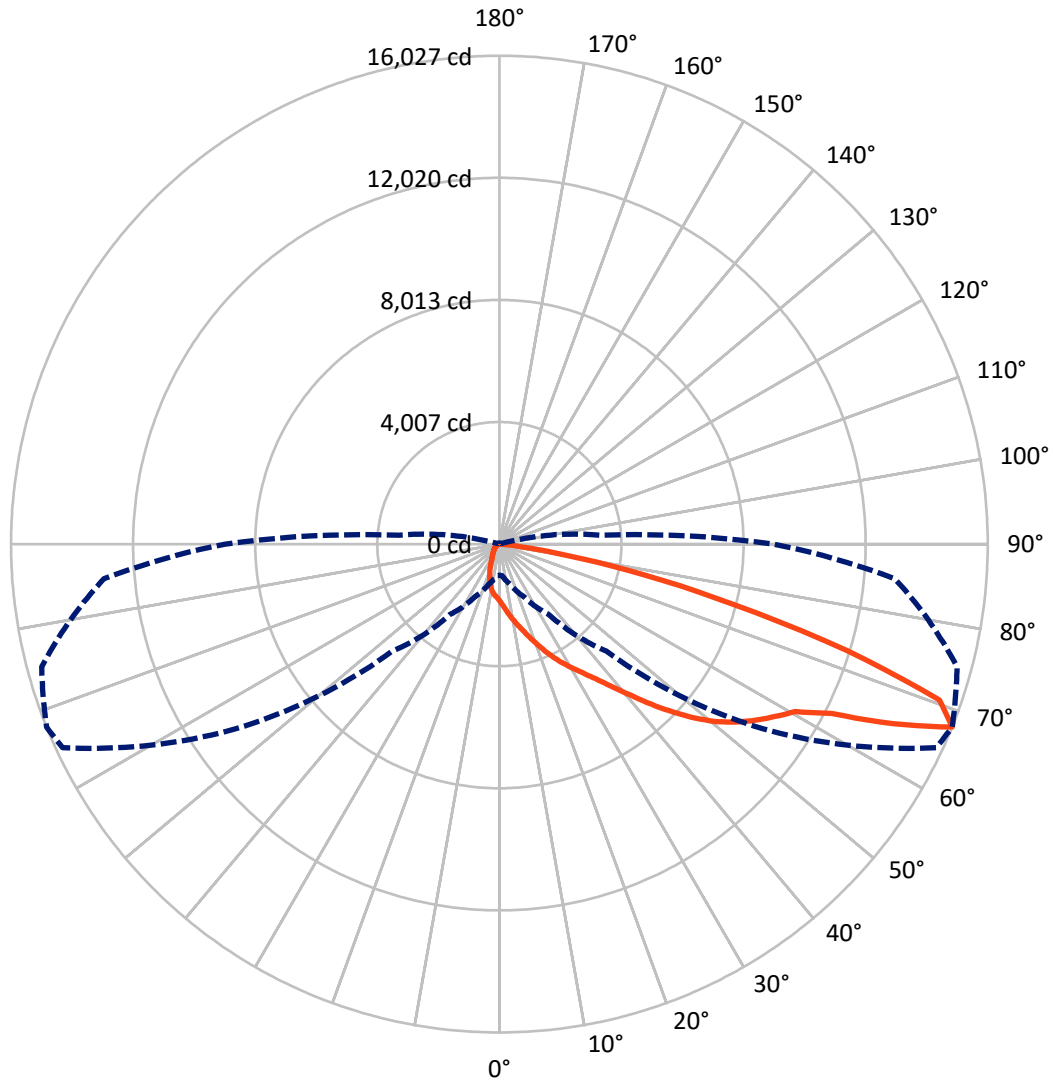
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type II - Short - N/A

REPORT NUMBER: P641845
CATALOG NUMBER: GWS-SA6B-760-U-T2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P641845

CATALOG NUMBER: GWS-SA6B-760-U-T2-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1155.4	0.0	1155.4
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	14845.2	0.0	14845.2
	% Fixture	92.8	0.0	92.8
Total	Lumens	16000.6	0.0	16000.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.6	1.1
10°-20°	521.5	3.3
20°-30°	896.2	5.6
30°-40°	1558.2	9.7
40°-50°	2718.9	17.0
50°-60°	4100.8	25.6
60°-70°	4112.1	25.7
70°-80°	1814.2	11.3
80°-90°	96.9	0.6
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°	16000.6	100.0
0°-180°	16000.6	100.0

Coefficient of Utilization



REPORT NUMBER: P641845

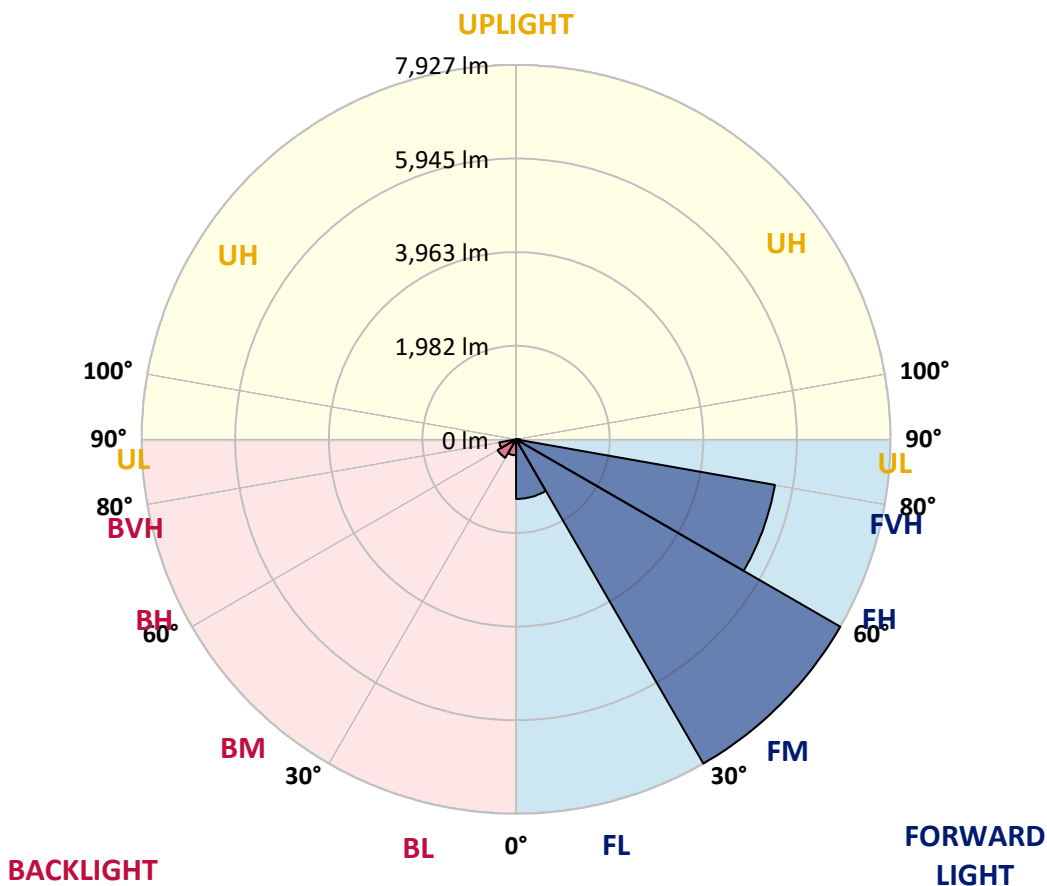
CATALOG NUMBER: GWS-SA6B-760-U-T2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1261.3	7.9			
FM (30°-60°)	7926.7	49.5			
FH (60°-80°)	5565.7	34.8			G3/7500
FVH (80°-90°)	91.4	0.6			G1/100
BL (0°-30°)	338.0	2.1	B1/500		
BM (30°-60°)	451.3	2.8	B1/1000		
BH (60°-80°)	360.6	2.3	B1/500		G1/500
BVH (80°-90°)	5.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type II Short





REPORT NUMBER: P641845

CATALOG NUMBER: GWS-SA6B-760-U-T2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	1862.1	1862.1	1862.1	1862.1	1862.1	1862.1	1862.1	1862.1	1862.1	1862.1	1862.1
2.5°	2168.3	2182.1	2168.3	2171.4	2131.6	2113.2	2073.4	2018.3	2004.5	1969.3	1915.7
5°	2433.2	2445.5	2431.7	2428.6	2382.7	2349.0	2283.2	2188.2	2160.7	2091.8	1986.1
7.5°	2577.2	2584.8	2589.4	2597.1	2580.2	2552.7	2493.0	2375.0	2346.0	2234.2	2085.6
10°	2592.5	2598.6	2621.6	2667.5	2701.2	2718.1	2684.4	2575.6	2529.7	2421.0	2208.1
12.5°	2549.6	2558.8	2595.6	2672.1	2765.5	2851.3	2872.7	2777.8	2736.4	2597.1	2352.1
15°	2493.0	2500.6	2551.1	2655.3	2796.2	2953.9	3042.7	3001.4	2955.4	2809.9	2511.3
17.5°	2405.7	2416.4	2486.8	2627.7	2809.9	3035.0	3226.5	3240.2	3208.1	3050.4	2687.4
20°	2356.7	2364.3	2427.1	2572.6	2800.8	3094.8	3398.0	3528.1	3492.9	3327.5	2889.6
22.5°	2398.0	2404.1	2445.5	2558.8	2770.1	3128.4	3557.2	3816.0	3796.1	3624.6	3102.4
25°	2615.5	2635.4	2610.9	2630.8	2783.9	3146.8	3685.8	4103.9	4108.5	3935.4	3322.9
27.5°	3056.5	3030.4	2972.3	2872.7	2891.1	3195.8	3796.1	4374.9	4414.7	4238.6	3518.9
30°	3505.1	3489.8	3454.6	3300.0	3171.3	3304.5	3889.5	4652.1	4714.9	4537.2	3693.5
32.5°	4008.9	4024.3	3961.5	3776.2	3557.2	3525.1	3986.0	4915.5	5033.4	4875.7	3898.7
35°	4610.7	4615.3	4491.3	4286.1	4038.0	3889.5	4159.0	5206.4	5423.9	5307.5	4172.8
37.5°	5197.2	5224.8	5157.4	4834.3	4613.8	4342.8	4445.4	5580.1	5886.3	5840.4	4517.3
40°	5716.3	5759.2	5737.8	5425.4	5136.0	4907.8	4889.4	6018.0	6445.2	6497.3	4972.1
42.5°	6129.8	6157.4	6174.2	5952.2	5696.4	5567.8	5437.7	6526.4	7105.2	7318.1	5529.5
45°	6566.2	6575.4	6610.6	6460.6	6237.0	6247.7	6085.4	7143.5	7800.5	8227.7	6169.6
47.5°	7122.1	7152.7	7135.9	6978.1	6776.0	6897.0	6754.6	7779.0	8486.5	9198.5	6825.0
50°	7798.9	7831.1	7815.8	7632.0	7406.9	7457.4	7368.6	8396.1	9148.0	10114.2	7370.2
52.5°	8148.1	8174.1	8364.0	8446.7	8328.8	8007.2	7892.3	9074.5	9706.9	10867.6	7870.9
55°	7979.6	7998.0	8411.4	8760.6	9192.4	8870.8	8419.1	9598.2	10200.0	11455.7	8243.0
57.5°	7281.3	7380.9	7942.9	8533.9	9442.0	9723.8	9273.6	10167.8	10674.7	11864.5	8609.0
60°	5849.6	5845.0	6650.4	7711.6	8955.1	9958.1	10480.2	10938.1	11150.9	12178.4	9099.0
62.5°	3232.6	3261.7	4333.6	5731.7	7601.4	9351.7	11385.2	12268.8	12236.6	12726.6	9866.2
65°	1609.4	1667.6	2249.5	3283.1	5057.9	7728.5	11541.4	14299.3	14207.4	14017.5	11451.1
67.5°	1021.4	1044.3	1365.9	1908.0	2811.5	4967.5	10569.0	15813.8	16026.6	15548.8	13023.7
70°	661.5	699.8	949.4	1304.7	1696.7	2560.3	7742.3	14832.2	15320.7	15380.4	12043.7
72.5°	359.9	387.4	606.4	931.0	1225.0	1280.2	4348.9	11131.0	11916.6	13046.7	9422.1
75°	205.2	225.1	332.3	632.4	898.9	779.4	1927.9	7451.3	7952.1	9324.1	6751.5
77.5°	124.0	140.9	186.8	307.8	563.5	520.6	728.9	4535.7	4854.2	5563.2	3543.4
80°	56.7	67.4	117.9	170.0	307.8	246.5	278.7	2114.7	2183.6	2283.2	1173.0
82.5°	26.0	30.6	53.6	101.1	174.6	142.4	107.2	488.5	687.6	650.8	298.6
85°	3.1	3.1	19.9	41.3	49.0	36.8	44.4	110.3	139.3	196.0	85.8
87.5°	0.0	0.0	1.5	1.5	3.1	4.6	9.2	13.8	19.9	32.2	21.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P641845

CATALOG NUMBER: GWS-SA6B-760-U-T2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1862.1	1862.1	1862.1	1862.1	1862.1	1862.1	1862.1	1862.1	1862.1	1862.1	1862.1
2.5°	1891.2	1848.3	1810.0	1753.3	1715.1	1672.2	1643.1	1607.9	1594.1	1583.4	1568.1
5°	1934.0	1865.1	1771.7	1667.6	1581.8	1500.7	1425.6	1376.6	1333.8	1327.6	1306.2
7.5°	2004.5	1901.9	1744.2	1574.2	1428.7	1294.0	1188.3	1102.5	1059.7	1045.9	1021.4
10°	2097.9	1957.0	1702.8	1442.5	1232.7	1071.9	952.5	856.0	788.6	764.1	745.7
12.5°	2202.0	2007.5	1637.0	1280.2	1041.3	857.5	705.9	603.3	560.5	545.1	531.4
15°	2321.5	2055.0	1532.8	1117.9	854.5	630.9	523.7	479.3	460.9	456.3	451.7
17.5°	2436.3	2085.6	1408.8	949.4	656.9	490.0	439.5	422.6	418.0	413.5	410.4
20°	2566.5	2107.1	1263.3	790.2	509.9	415.0	390.5	378.2	369.0	359.9	358.3
22.5°	2699.7	2107.1	1105.6	634.0	427.2	372.1	344.5	321.6	304.7	295.5	292.5
25°	2826.8	2078.0	949.4	506.9	376.7	330.8	295.5	269.5	246.5	235.8	232.8
27.5°	2917.1	2002.9	813.1	428.8	341.5	294.0	251.1	222.0	203.7	192.9	191.4
30°	2973.8	1891.2	687.6	382.8	310.9	255.7	212.9	188.4	174.6	166.9	163.8
32.5°	3016.7	1753.3	575.8	350.7	281.8	222.0	185.3	165.4	153.1	147.0	145.5
35°	3102.4	1623.2	493.1	321.6	251.1	194.5	162.3	147.0	137.8	130.2	128.6
37.5°	3221.9	1514.5	427.2	295.5	222.0	173.0	147.0	133.2	125.6	117.9	116.4
40°	3398.0	1445.5	378.2	269.5	196.0	156.2	134.8	122.5	111.8	104.1	102.6
42.5°	3669.0	1413.4	346.1	243.5	173.0	140.9	124.0	108.7	98.0	90.3	88.8
45°	3992.1	1430.2	318.5	217.4	157.7	130.2	110.3	94.9	84.2	76.6	75.0
47.5°	4338.2	1490.0	295.5	192.9	142.4	119.4	98.0	81.2	72.0	64.3	62.8
50°	4699.6	1588.0	275.6	170.0	130.2	107.2	84.2	70.4	61.3	55.1	53.6
52.5°	5013.5	1721.2	255.7	153.1	119.4	94.9	73.5	61.3	52.1	45.9	44.4
55°	5313.6	1846.7	240.4	137.8	107.2	82.7	64.3	52.1	44.4	38.3	36.8
57.5°	5639.8	1980.0	222.0	124.0	96.5	73.5	56.7	44.4	38.3	32.2	30.6
60°	6114.5	2177.5	194.5	113.3	84.2	64.3	49.0	39.8	33.7	26.0	24.5
62.5°	6799.0	2537.4	163.8	98.0	72.0	55.1	41.3	33.7	27.6	21.4	18.4
65°	8079.1	3149.9	134.8	81.2	58.2	45.9	35.2	27.6	21.4	15.3	13.8
67.5°	9001.0	3309.1	108.7	65.8	47.5	35.2	29.1	21.4	15.3	10.7	9.2
70°	7869.4	2376.6	84.2	53.6	39.8	27.6	23.0	16.8	10.7	7.7	6.1
72.5°	5929.2	1552.7	62.8	41.3	30.6	23.0	16.8	13.8	9.2	6.1	4.6
75°	4178.9	897.3	45.9	30.6	21.4	16.8	13.8	10.7	7.7	4.6	4.6
77.5°	2142.3	370.6	32.2	21.4	15.3	10.7	9.2	6.1	6.1	4.6	3.1
80°	650.8	122.5	18.4	13.8	10.7	7.7	4.6	4.6	4.6	3.1	1.5
82.5°	148.5	39.8	10.7	10.7	7.7	6.1	4.6	1.5	1.5	0.0	0.0
85°	38.3	12.3	9.2	7.7	7.7	6.1	3.1	1.5	0.0	0.0	0.0
87.5°	13.8	7.7	7.7	7.7	6.1	4.6	3.1	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)