

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: P639873

Luminaire Tested: GWS-SA5C-760-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639873
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-760-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17637.4 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

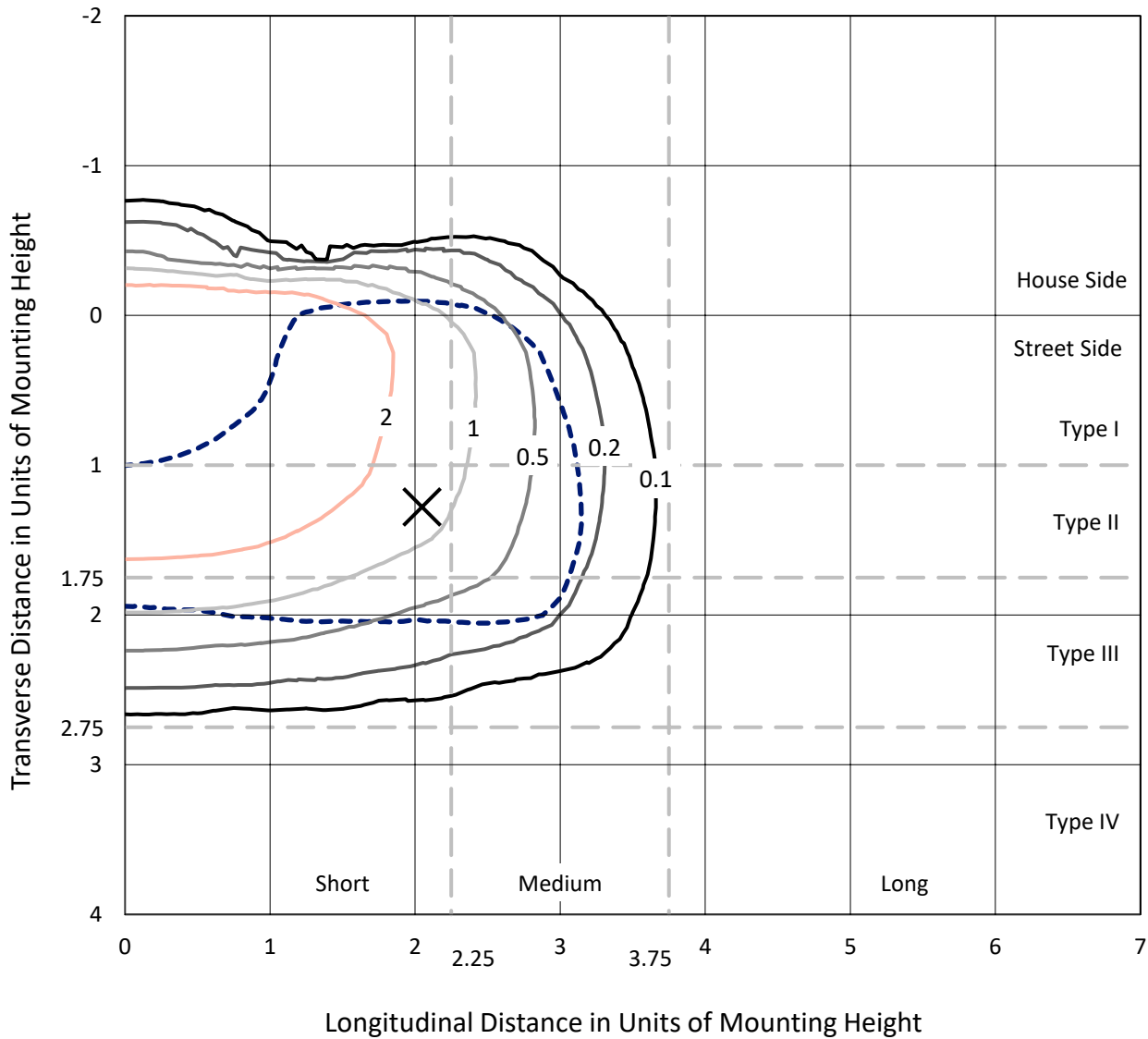
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

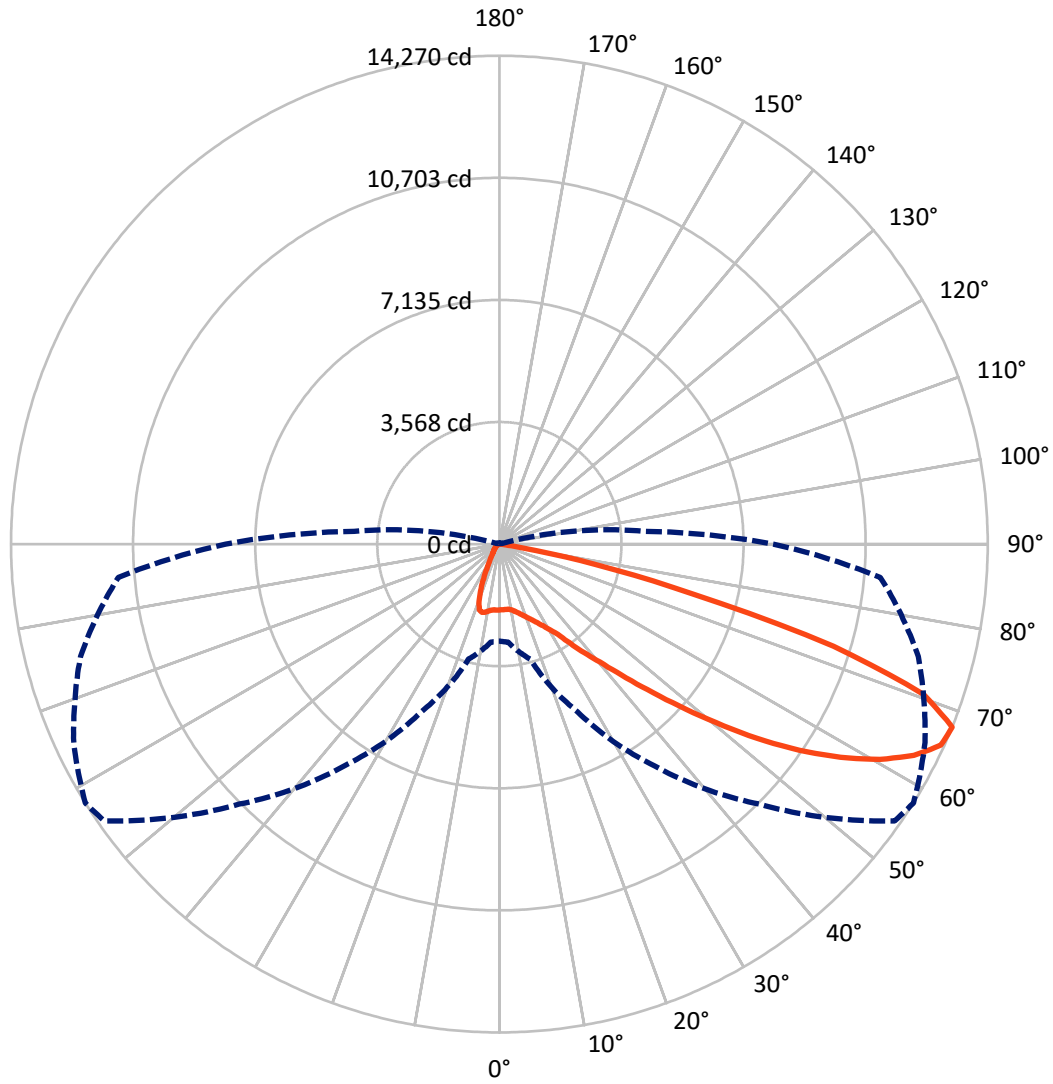
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1924.2	0.0	1924.2
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	15713.2	0.0	15713.2
	% Fixture	89.1	0.0	89.1
Total	Lumens	17637.4	0.0	17637.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.5	1.0
10°-20°	506.9	2.9
20°-30°	884.8	5.0
30°-40°	1580.2	9.0
40°-50°	2888.3	16.4
50°-60°	4803.6	27.2
60°-70°	5217.5	29.6
70°-80°	1531.9	8.7
80°-90°	43.6	0.2
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°	17637.4	100.0
0°-180°	17637.4	100.0

Coefficient of Utilization



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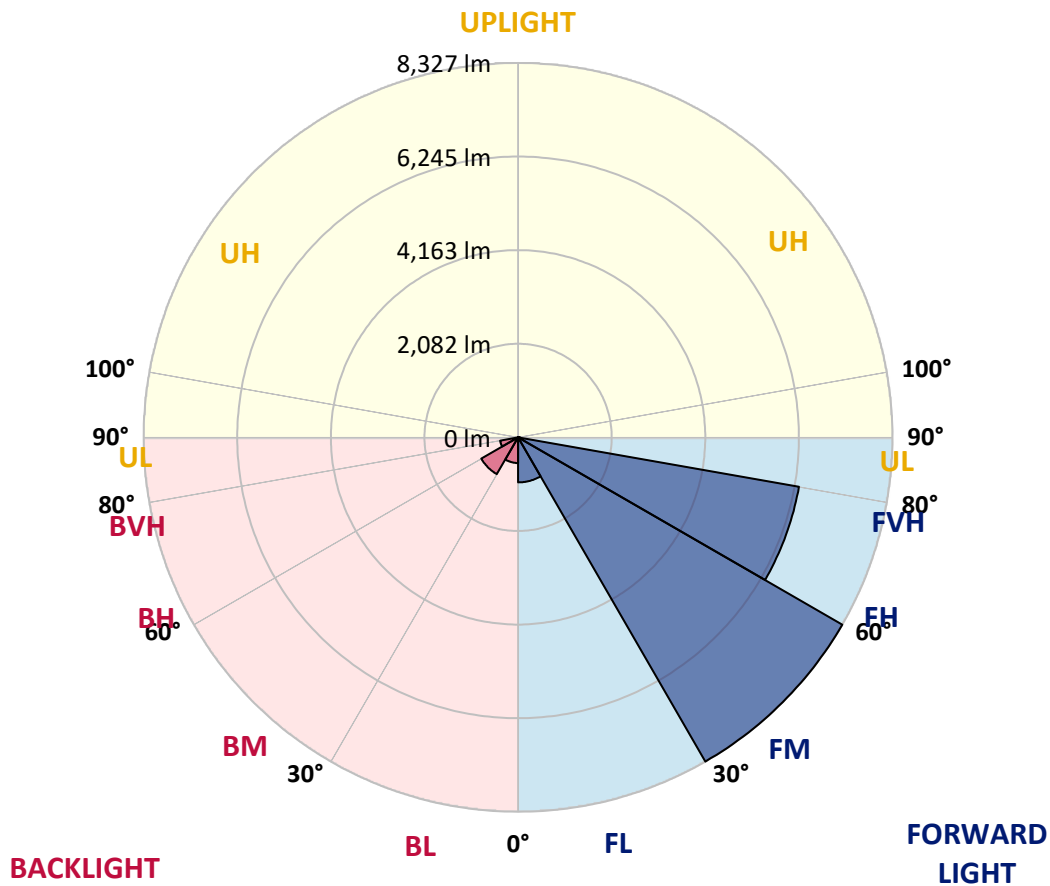
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1001.5	5.7			
FM (30°-60°)	8327.0	47.2			
FH (60°-80°)	6343.2	36.0			G3/7500
FVH (80°-90°)	41.5	0.2			G1/100
BL (0°-30°)	570.8	3.2	B2/1000		
BM (30°-60°)	945.1	5.4	B1/1000		
BH (60°-80°)	406.2	2.3	B1/500		G1/500
BVH (80°-90°)	2.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1921.9	1921.9	1921.9	1921.9	1921.9	1921.9	1921.9	1921.9	1921.9	1921.9	1921.9
2.5°	1885.8	1882.3	1882.3	1896.1	1897.8	1904.7	1920.2	1921.9	1930.6	1927.1	1915.1
5°	1787.6	1789.3	1799.7	1823.8	1844.5	1870.3	1908.2	1916.8	1935.7	1946.1	1939.2
7.5°	1696.3	1698.1	1713.6	1751.5	1791.1	1842.7	1904.7	1921.9	1959.8	1987.4	1989.1
10°	1661.9	1660.2	1675.7	1718.7	1770.4	1842.7	1932.3	1954.7	2011.5	2059.7	2068.3
12.5°	1672.2	1670.5	1686.0	1725.6	1782.5	1873.7	1980.5	2011.5	2083.8	2157.9	2173.4
15°	1713.6	1711.8	1722.2	1754.9	1816.9	1911.6	2042.5	2089.0	2180.3	2269.8	2293.9
17.5°	1837.6	1829.0	1818.6	1822.1	1858.2	1956.4	2121.7	2178.6	2292.2	2399.0	2419.7
20°	2058.0	2035.6	2008.1	1971.9	1954.7	2021.8	2213.0	2278.4	2416.2	2538.5	2541.9
22.5°	2390.4	2381.8	2318.1	2213.0	2138.9	2140.7	2319.8	2395.5	2564.3	2698.7	2679.7
25°	2853.6	2848.5	2750.3	2578.1	2385.2	2319.8	2455.8	2533.3	2740.0	2882.9	2822.6
27.5°	3428.9	3392.7	3277.3	3044.8	2757.2	2552.3	2628.0	2696.9	2926.0	3060.3	2946.6
30°	3930.0	3931.7	3823.2	3580.4	3256.6	2901.9	2838.1	2898.4	3096.5	3237.7	3099.9
32.5°	4412.2	4427.7	4308.9	4090.2	3735.4	3358.2	3139.5	3149.9	3315.2	3468.5	3301.4
35°	4860.0	4872.0	4789.4	4603.4	4272.7	3835.3	3559.7	3554.6	3644.1	3800.8	3582.1
37.5°	5361.1	5373.2	5292.3	5125.2	4815.2	4381.2	4036.8	4029.9	4066.1	4193.5	3943.8
40°	5895.0	5917.4	5827.8	5686.6	5390.4	5023.6	4591.3	4529.3	4493.2	4643.0	4412.2
42.5°	6435.8	6470.2	6439.2	6298.0	6044.8	5741.7	5311.2	5214.8	5137.3	5325.0	5080.4
45°	7107.4	7148.8	7135.0	7026.5	6830.2	6583.9	6177.4	6065.5	6029.3	6203.3	5912.2
47.5°	7753.2	7798.0	7848.0	7823.9	7684.4	7570.7	7119.5	7055.8	7045.4	7231.4	6780.2
50°	8233.7	8275.1	8466.2	8604.0	8698.7	8674.6	8283.7	8189.0	8173.5	8292.3	7696.4
52.5°	8578.2	8617.8	8881.3	9311.8	9659.7	9849.1	9454.8	9434.1	9349.7	9308.4	8554.1
55°	8845.1	8900.2	9177.5	9828.5	10529.4	10949.6	10703.3	10629.3	10412.3	10174.6	9349.7
57.5°	8898.5	8920.9	9311.8	10190.1	11204.5	11884.7	11884.7	11755.6	11337.1	11008.2	10269.3
60°	8419.7	8488.6	9017.3	10160.8	11493.8	12496.1	12864.7	12775.1	12210.2	11805.5	11154.5
62.5°	7357.1	7434.6	8078.7	9459.9	11204.5	12621.8	13606.9	13593.1	12955.9	12465.1	11888.2
65°	5641.9	5698.7	6260.1	7913.4	9981.7	12137.9	14137.4	14175.2	13544.9	12900.8	12141.3
67.5°	2834.7	2874.3	3480.5	5405.9	7911.7	10744.7	14101.2	14270.0	13724.0	12670.1	11175.2
70°	990.3	1029.9	1315.7	2319.8	4815.2	8204.5	12881.9	13157.4	12671.8	10815.3	8244.1
72.5°	339.3	358.2	545.9	861.1	1873.7	4863.4	9795.7	10210.8	9341.1	7260.7	4737.7
75°	192.9	204.9	292.8	466.7	785.3	1599.9	5557.5	5812.3	5445.5	3957.6	1949.5
77.5°	130.9	141.2	182.6	265.2	434.0	514.9	2266.4	2853.6	2488.5	1291.6	497.7
80°	77.5	84.4	111.9	156.7	222.2	199.8	485.7	645.8	831.8	385.8	149.8
82.5°	36.2	41.3	72.3	103.3	111.9	84.4	142.9	173.9	234.2	189.4	62.0
85°	0.0	0.0	24.1	43.1	41.3	24.1	39.6	43.1	63.7	94.7	24.1
87.5°	0.0	0.0	0.0	0.0	0.0	1.7	3.4	5.2	10.3	18.9	10.3
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°	1921.9	1921.9	1921.9	1921.9	1921.9	1921.9	1921.9	1921.9	1921.9	1921.9	1921.9
2.5°	1928.8	1916.8	1930.6	1923.7	1930.6	1928.8	1915.1	1906.5	1906.5	1891.0	1885.8
5°	1952.9	1940.9	1944.3	1928.8	1925.4	1916.8	1899.6	1892.7	1892.7	1877.2	1872.0
7.5°	2006.3	1987.4	1983.9	1952.9	1939.2	1915.1	1884.1	1872.0	1870.3	1854.8	1849.6
10°	2090.7	2068.3	2052.8	2013.2	1973.6	1925.4	1860.0	1804.8	1773.8	1732.5	1729.1
12.5°	2194.1	2166.5	2142.4	2082.1	2016.7	1908.2	1715.3	1513.8	1389.8	1291.6	1298.5
15°	2309.4	2283.6	2245.7	2154.4	2020.1	1737.7	1334.7	1024.7	873.1	792.2	788.8
17.5°	2435.2	2397.3	2335.3	2211.3	1911.6	1327.8	868.0	613.1	533.9	506.3	499.4
20°	2552.3	2505.8	2428.3	2223.3	1598.2	899.0	542.5	475.3	461.5	452.9	452.9
22.5°	2676.3	2617.7	2502.3	2130.3	1188.3	575.2	461.5	446.0	435.7	423.7	421.9
25°	2802.0	2726.2	2569.5	1887.5	778.4	452.9	432.3	415.0	396.1	377.2	372.0
27.5°	2908.8	2810.6	2621.2	1525.8	499.4	408.2	394.4	365.1	339.3	318.6	315.2
30°	3036.2	2910.5	2643.5	1116.0	392.7	359.9	339.3	308.3	277.3	256.6	249.7
32.5°	3206.7	3068.9	2609.1	726.8	347.9	316.9	284.2	248.0	217.0	194.6	191.2
35°	3471.9	3308.3	2450.7	463.3	315.2	273.8	234.2	196.3	170.5	153.3	149.8
37.5°	3795.7	3644.1	2190.6	347.9	282.4	237.7	191.2	155.0	136.1	124.0	120.6
40°	4276.2	4064.3	1868.6	304.8	249.7	201.5	156.7	127.4	113.7	103.3	99.9
42.5°	4899.6	4560.3	1498.3	277.3	218.7	168.8	127.4	105.1	93.0	86.1	84.4
45°	5628.1	5044.3	1107.4	249.7	189.4	139.5	105.1	86.1	77.5	72.3	70.6
47.5°	6373.8	5467.9	764.6	220.4	161.9	115.4	87.8	74.1	67.2	60.3	58.6
50°	7169.4	5826.1	521.8	191.2	137.8	94.7	75.8	67.2	58.6	53.4	51.7
52.5°	7753.2	5958.7	363.4	165.3	117.1	80.9	67.2	60.3	53.4	46.5	44.8
55°	8292.3	5955.3	275.5	139.5	99.9	70.6	60.3	53.4	46.5	41.3	39.6
57.5°	8829.6	5908.8	217.0	118.8	86.1	63.7	53.4	46.5	43.1	36.2	34.4
60°	9177.5	5733.1	168.8	99.9	74.1	55.1	46.5	41.3	36.2	31.0	29.3
62.5°	9361.8	5488.6	129.2	79.2	60.3	48.2	41.3	36.2	31.0	25.8	24.1
65°	9112.0	5054.6	101.6	62.0	46.5	41.3	34.4	29.3	24.1	18.9	17.2
67.5°	8004.7	4262.4	79.2	49.9	36.2	31.0	29.3	24.1	17.2	13.8	12.1
70°	5657.4	2919.1	62.0	37.9	27.6	24.1	22.4	18.9	13.8	10.3	8.6
72.5°	3105.1	1472.5	44.8	27.6	20.7	18.9	17.2	15.5	12.1	8.6	8.6
75°	1195.2	404.7	32.7	18.9	13.8	13.8	12.1	12.1	10.3	6.9	6.9
77.5°	311.7	120.6	20.7	12.1	8.6	8.6	8.6	6.9	6.9	5.2	5.2
80°	99.9	39.6	12.1	8.6	6.9	5.2	5.2	3.4	5.2	3.4	3.4
82.5°	32.7	13.8	6.9	6.9	5.2	3.4	3.4	1.7	1.7	0.0	0.0
85°	12.1	6.9	5.2	3.4	3.4	3.4	1.7	0.0	0.0	0.0	0.0
87.5°	6.9	3.4	3.4	3.4	3.4	1.7	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)