

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: P639763

Luminaire Tested: GWS-SA5C-740-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639763
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17481.9 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

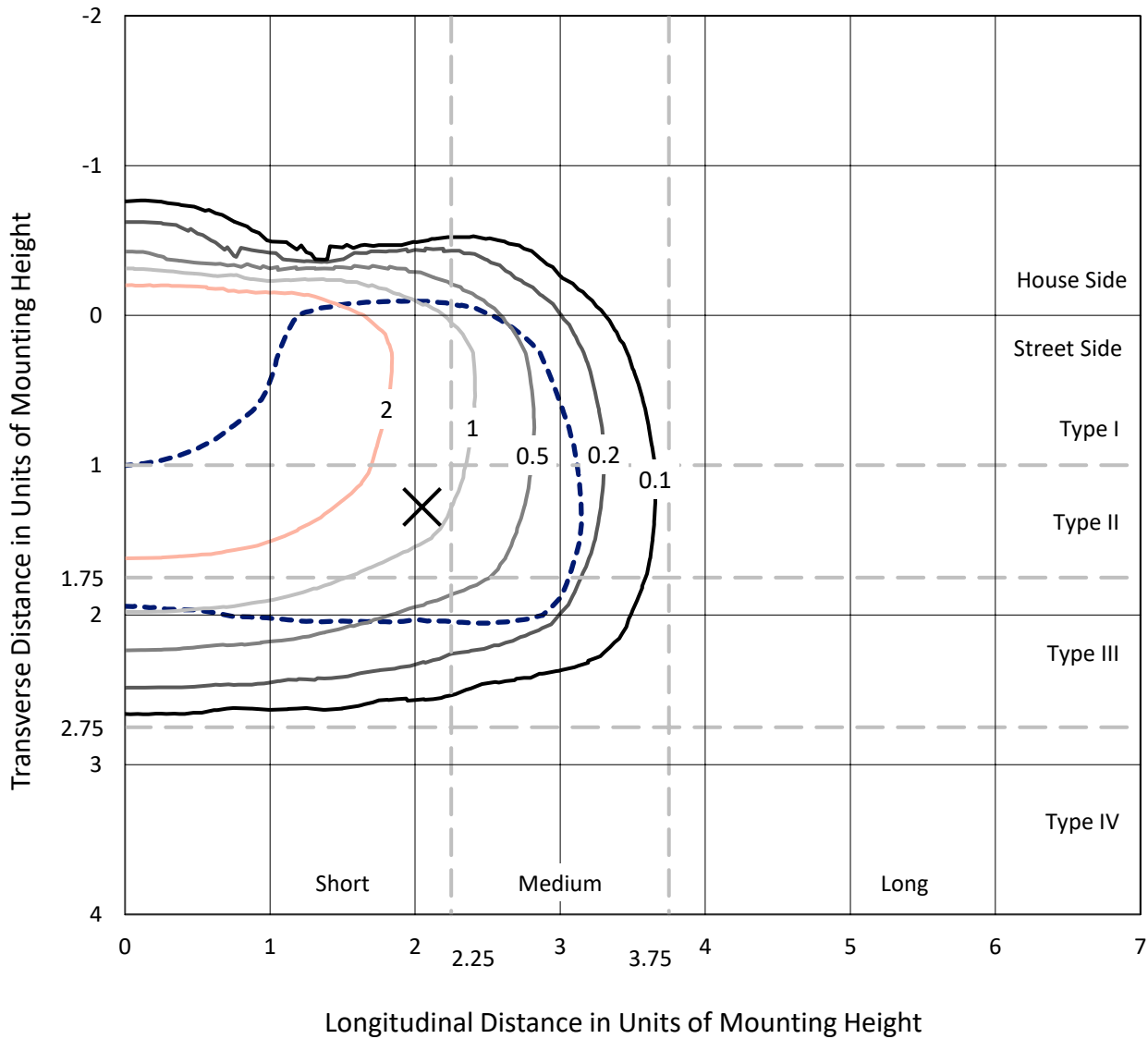
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

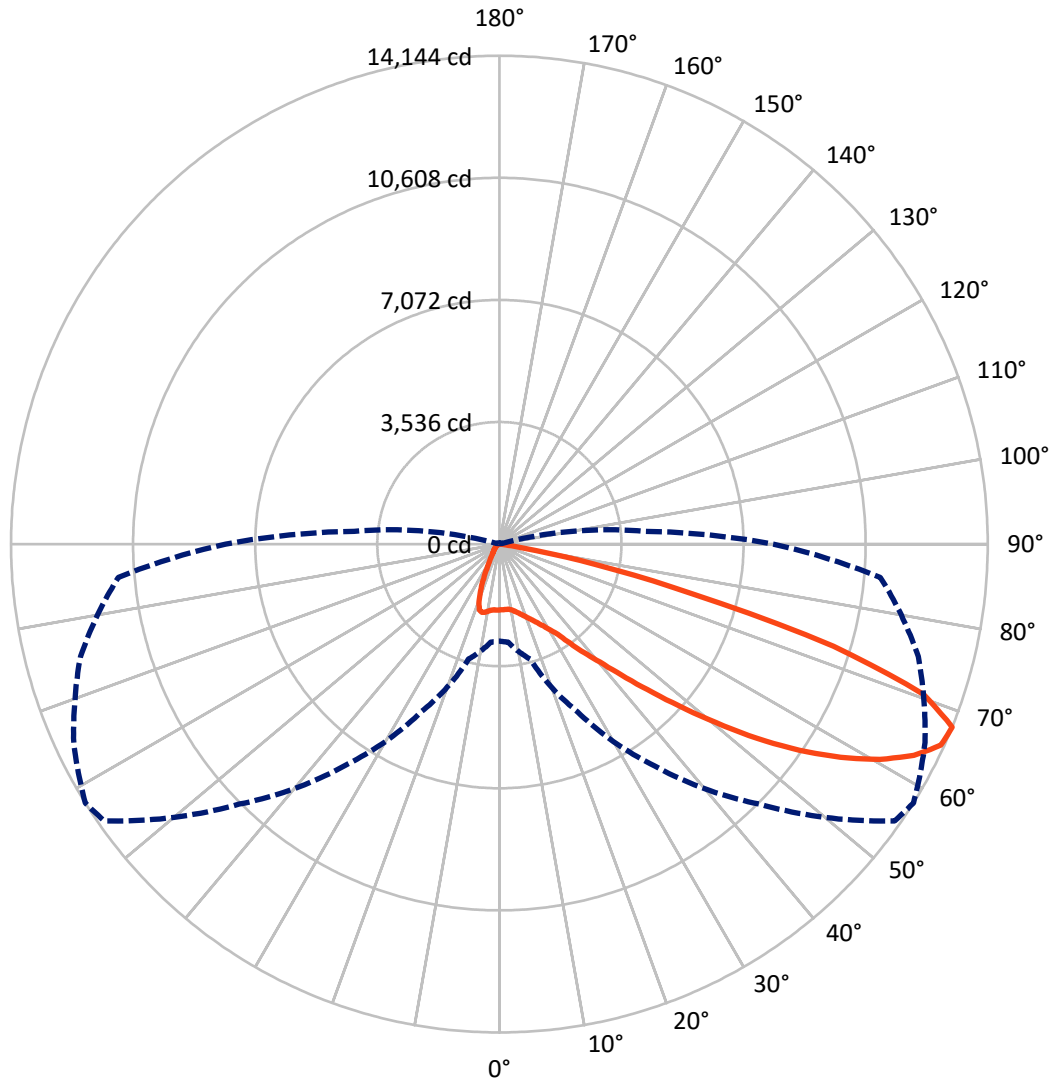
✕ Max cd
 - - - 1/2 Max cd



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	1907.2	0.0	1907.2
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	15574.7	0.0	15574.7
	% Fixture	89.1	0.0	89.1
Total	Lumens	17481.9	0.0	17481.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.0	1.0
10°-20°	502.4	2.9
20°-30°	877.0	5.0
30°-40°	1566.3	9.0
40°-50°	2862.8	16.4
50°-60°	4761.2	27.2
60°-70°	5171.5	29.6
70°-80°	1518.4	8.7
80°-90°	43.2	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°	17481.9	100.0
0°-180°	17481.9	100.0

Coefficient of Utilization



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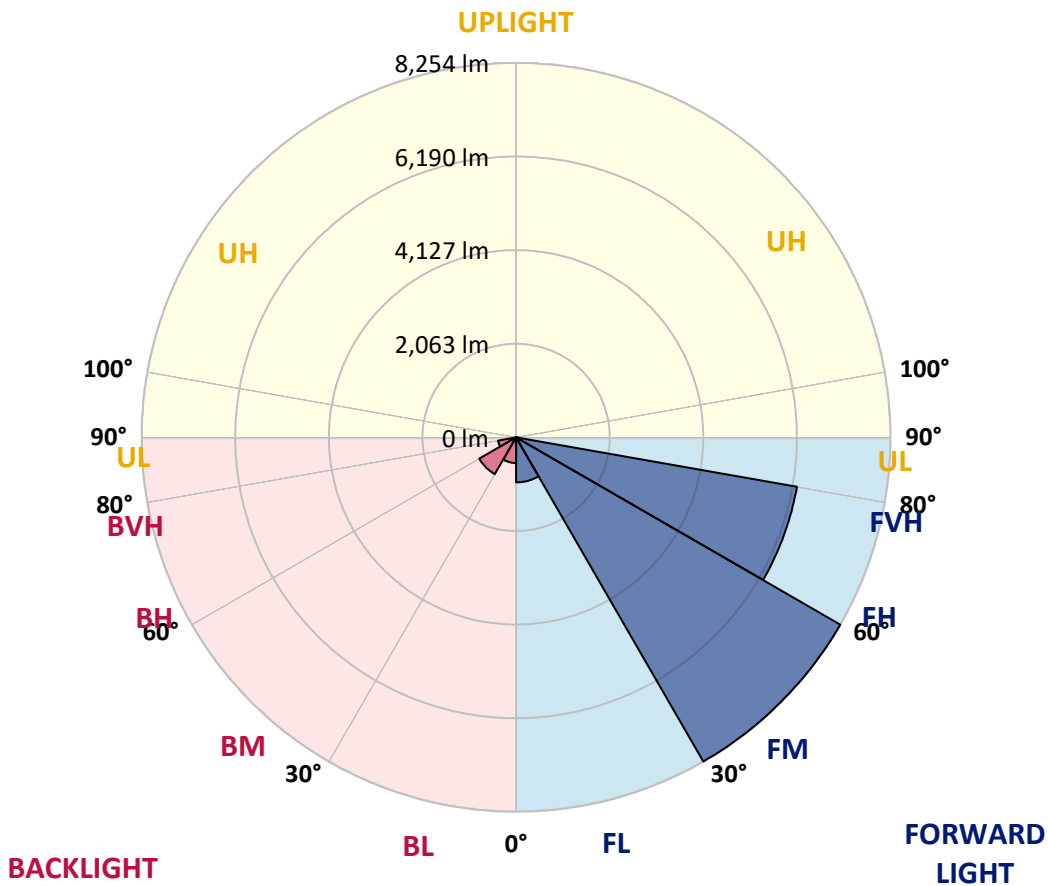
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	992.7	5.7			
FM (30°-60°)	8253.6	47.2			
FH (60°-80°)	6287.3	36.0			G3/7500
FVH (80°-90°)	41.1	0.2			G1/100
BL (0°-30°)	565.7	3.2	B2/1000		
BM (30°-60°)	936.8	5.4	B1/1000		
BH (60°-80°)	402.6	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°	1905.0	1905.0	1905.0	1905.0	1905.0	1905.0	1905.0	1905.0	1905.0	1905.0	1905.0
2.5°	1869.2	1865.7	1865.7	1879.4	1881.1	1887.9	1903.3	1905.0	1913.5	1910.1	1898.2
5°	1771.9	1773.6	1783.8	1807.7	1828.2	1853.8	1891.3	1899.9	1918.7	1928.9	1922.1
7.5°	1681.4	1683.1	1698.5	1736.0	1775.3	1826.5	1887.9	1905.0	1942.6	1969.9	1971.6
10°	1647.2	1645.5	1660.9	1703.6	1754.8	1826.5	1915.2	1937.4	1993.8	2041.6	2050.1
12.5°	1657.5	1655.8	1671.1	1710.4	1766.7	1857.2	1963.0	1993.8	2065.5	2138.9	2154.2
15°	1698.5	1696.8	1707.0	1739.4	1800.9	1894.8	2024.5	2070.6	2161.1	2249.8	2273.7
17.5°	1821.4	1812.8	1802.6	1806.0	1841.8	1939.1	2103.0	2159.3	2272.0	2377.8	2398.3
20°	2039.9	2017.7	1990.4	1954.5	1937.4	2004.0	2193.5	2258.4	2394.9	2516.1	2519.5
22.5°	2369.3	2360.8	2297.6	2193.5	2120.1	2121.8	2299.3	2374.4	2541.7	2674.9	2656.1
25°	2828.5	2823.4	2726.1	2555.4	2364.2	2299.3	2434.2	2511.0	2715.8	2857.5	2797.8
27.5°	3398.6	3362.8	3248.4	3018.0	2732.9	2529.8	2604.9	2673.2	2900.2	3033.3	2920.7
30°	3895.4	3897.1	3789.5	3548.8	3227.9	2876.3	2813.1	2872.9	3069.2	3209.1	3072.6
32.5°	4373.3	4388.7	4270.9	4054.1	3702.5	3328.6	3111.8	3122.1	3286.0	3437.9	3272.3
35°	4817.1	4829.1	4747.1	4562.8	4235.1	3801.5	3528.4	3523.2	3612.0	3767.3	3550.5
37.5°	5313.9	5325.8	5245.6	5080.0	4772.8	4342.6	4001.2	3994.4	4030.2	4156.5	3909.0
40°	5843.0	5865.2	5776.5	5636.5	5342.9	4979.3	4550.8	4489.4	4453.5	4602.1	4373.3
42.5°	6379.0	6413.2	6382.4	6242.5	5991.5	5691.1	5264.4	5168.8	5092.0	5278.0	5035.6
45°	7044.8	7085.7	7072.1	6964.5	6769.9	6525.8	6123.0	6012.0	5976.2	6148.6	5860.1
47.5°	7684.9	7729.3	7778.8	7754.9	7616.6	7503.9	7056.7	6993.6	6983.3	7167.7	6720.4
50°	8161.1	8202.1	8391.6	8528.1	8622.0	8598.1	8210.6	8116.8	8101.4	8219.2	7628.6
52.5°	8502.5	8541.8	8803.0	9229.7	9574.5	9762.3	9371.4	9350.9	9267.3	9226.3	8478.6
55°	8767.1	8821.7	9096.6	9741.8	10436.6	10853.1	10609.0	10535.6	10320.5	10084.9	9267.3
57.5°	8820.0	8842.2	9229.7	10100.3	11105.7	11780.0	11780.0	11651.9	11237.1	10911.1	10178.8
60°	8345.5	8413.8	8937.8	10071.3	11392.5	12385.9	12751.2	12662.5	12102.6	11701.4	11056.2
62.5°	7292.3	7369.1	8007.5	9376.5	11105.7	12510.6	13487.0	13473.3	12841.7	12355.2	11783.4
65°	5592.1	5648.4	6204.9	7843.6	9893.7	12030.9	14012.7	14050.3	13425.5	12787.1	12034.3
67.5°	2809.7	2849.0	3449.8	5358.3	7841.9	10649.9	13976.9	14144.1	13603.0	12558.4	11076.7
70°	981.5	1020.8	1304.1	2299.3	4772.8	8132.1	12768.3	13041.4	12560.1	10719.9	8171.4
72.5°	336.3	355.1	541.1	853.5	1857.2	4820.5	9709.4	10120.8	9258.7	7196.7	4695.9
75°	191.2	203.1	290.2	462.6	778.4	1585.8	5508.5	5761.1	5397.5	3922.7	1932.3
77.5°	129.7	140.0	180.9	262.9	430.2	510.4	2246.4	2828.5	2466.6	1280.2	493.3
80°	76.8	83.6	111.0	155.3	220.2	198.0	481.4	640.1	824.5	382.4	148.5
82.5°	35.8	41.0	71.7	102.4	111.0	83.6	141.7	172.4	232.2	187.8	61.5
85°	0.0	0.0	23.9	42.7	41.0	23.9	39.3	42.7	63.2	93.9	23.9
87.5°	0.0	0.0	0.0	0.0	0.0	1.7	3.4	5.1	10.2	18.8	10.2
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°	1905.0	1905.0	1905.0	1905.0	1905.0	1905.0	1905.0	1905.0	1905.0	1905.0	1905.0
2.5°	1911.8	1899.9	1913.5	1906.7	1913.5	1911.8	1898.2	1889.6	1889.6	1874.3	1869.2
5°	1935.7	1923.8	1927.2	1911.8	1908.4	1899.9	1882.8	1876.0	1876.0	1860.6	1855.5
7.5°	1988.6	1969.9	1966.5	1935.7	1922.1	1898.2	1867.5	1855.5	1853.8	1838.4	1833.3
10°	2072.3	2050.1	2034.7	1995.5	1956.2	1908.4	1843.6	1788.9	1758.2	1717.2	1713.8
12.5°	2174.7	2147.4	2123.5	2063.8	1998.9	1891.3	1700.2	1500.4	1377.5	1280.2	1287.1
15°	2289.1	2263.5	2225.9	2135.4	2002.3	1722.4	1322.9	1015.7	865.4	785.2	781.8
17.5°	2413.7	2376.1	2314.7	2191.8	1894.8	1316.1	860.3	607.7	529.2	501.9	495.0
20°	2529.8	2483.7	2406.9	2203.7	1584.1	891.1	537.7	471.1	457.5	448.9	448.9
22.5°	2652.7	2594.6	2480.3	2111.6	1177.8	570.1	457.5	442.1	431.9	419.9	418.2
25°	2777.3	2702.2	2546.8	1870.9	771.6	448.9	428.5	411.4	392.6	373.8	368.7
27.5°	2883.1	2785.8	2598.0	1512.4	495.0	404.6	390.9	361.9	336.3	315.8	312.4
30°	3009.4	2884.8	2620.2	1106.1	389.2	356.8	336.3	305.6	274.8	254.3	247.5
32.5°	3178.4	3041.9	2586.1	720.4	344.8	314.1	281.7	245.8	215.1	192.9	189.5
35°	3441.3	3279.1	2429.1	459.2	312.4	271.4	232.2	194.6	169.0	151.9	148.5
37.5°	3762.2	3612.0	2171.3	344.8	279.9	235.6	189.5	153.6	134.9	122.9	119.5
40°	4238.5	4028.5	1852.1	302.1	247.5	199.7	155.3	126.3	112.7	102.4	99.0
42.5°	4856.4	4520.1	1485.1	274.8	216.8	167.3	126.3	104.1	92.2	85.3	83.6
45°	5578.5	4999.8	1097.6	247.5	187.8	138.3	104.1	85.3	76.8	71.7	70.0
47.5°	6317.6	5419.7	757.9	218.5	160.5	114.4	87.1	73.4	66.6	59.7	58.0
50°	7106.2	5774.8	517.2	189.5	136.6	93.9	75.1	66.6	58.0	52.9	51.2
52.5°	7684.9	5906.2	360.2	163.9	116.1	80.2	66.6	59.7	52.9	46.1	44.4
55°	8219.2	5902.8	273.1	138.3	99.0	70.0	59.7	52.9	46.1	41.0	39.3
57.5°	8751.8	5856.7	215.1	117.8	85.3	63.2	52.9	46.1	42.7	35.8	34.1
60°	9096.6	5682.6	167.3	99.0	73.4	54.6	46.1	41.0	35.8	30.7	29.0
62.5°	9279.2	5440.2	128.0	78.5	59.7	47.8	41.0	35.8	30.7	25.6	23.9
65°	9031.7	5010.0	100.7	61.5	46.1	41.0	34.1	29.0	23.9	18.8	17.1
67.5°	7934.1	4224.8	78.5	49.5	35.8	30.7	29.0	23.9	17.1	13.7	11.9
70°	5607.5	2893.4	61.5	37.6	27.3	23.9	22.2	18.8	13.7	10.2	8.5
72.5°	3077.7	1459.5	44.4	27.3	20.5	18.8	17.1	15.4	11.9	8.5	8.5
75°	1184.7	401.1	32.4	18.8	13.7	13.7	11.9	11.9	10.2	6.8	6.8
77.5°	309.0	119.5	20.5	11.9	8.5	8.5	8.5	6.8	6.8	5.1	5.1
80°	99.0	39.3	11.9	8.5	6.8	5.1	5.1	3.4	5.1	3.4	3.4
82.5°	32.4	13.7	6.8	6.8	5.1	3.4	3.4	1.7	1.7	0.0	0.0
85°	11.9	6.8	5.1	3.4	3.4	3.4	1.7	0.0	0.0	0.0	0.0
87.5°	6.8	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)