

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: P632861

Luminaire Tested: GWS-SA2D-750-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-750-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9467.9 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

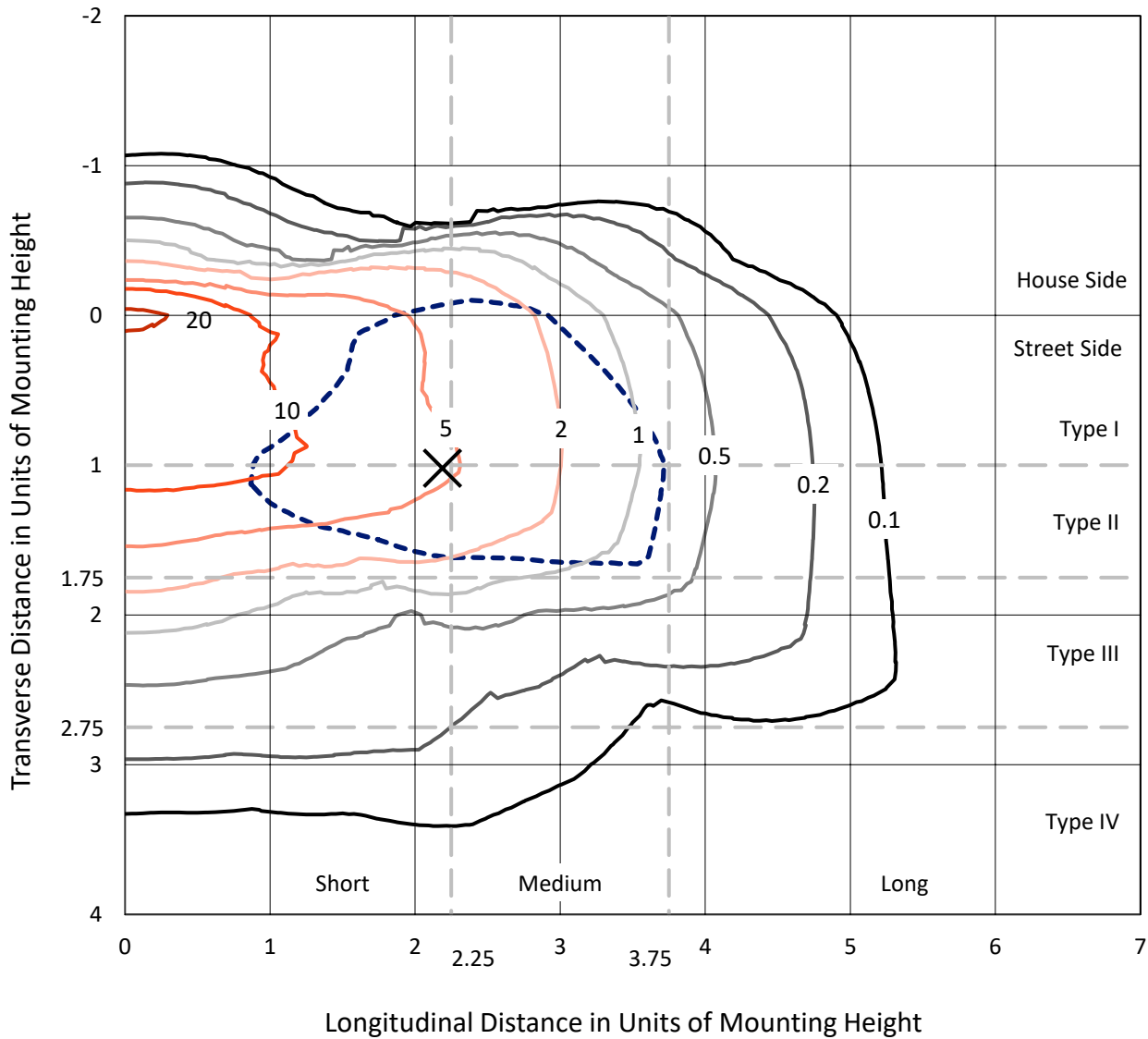
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

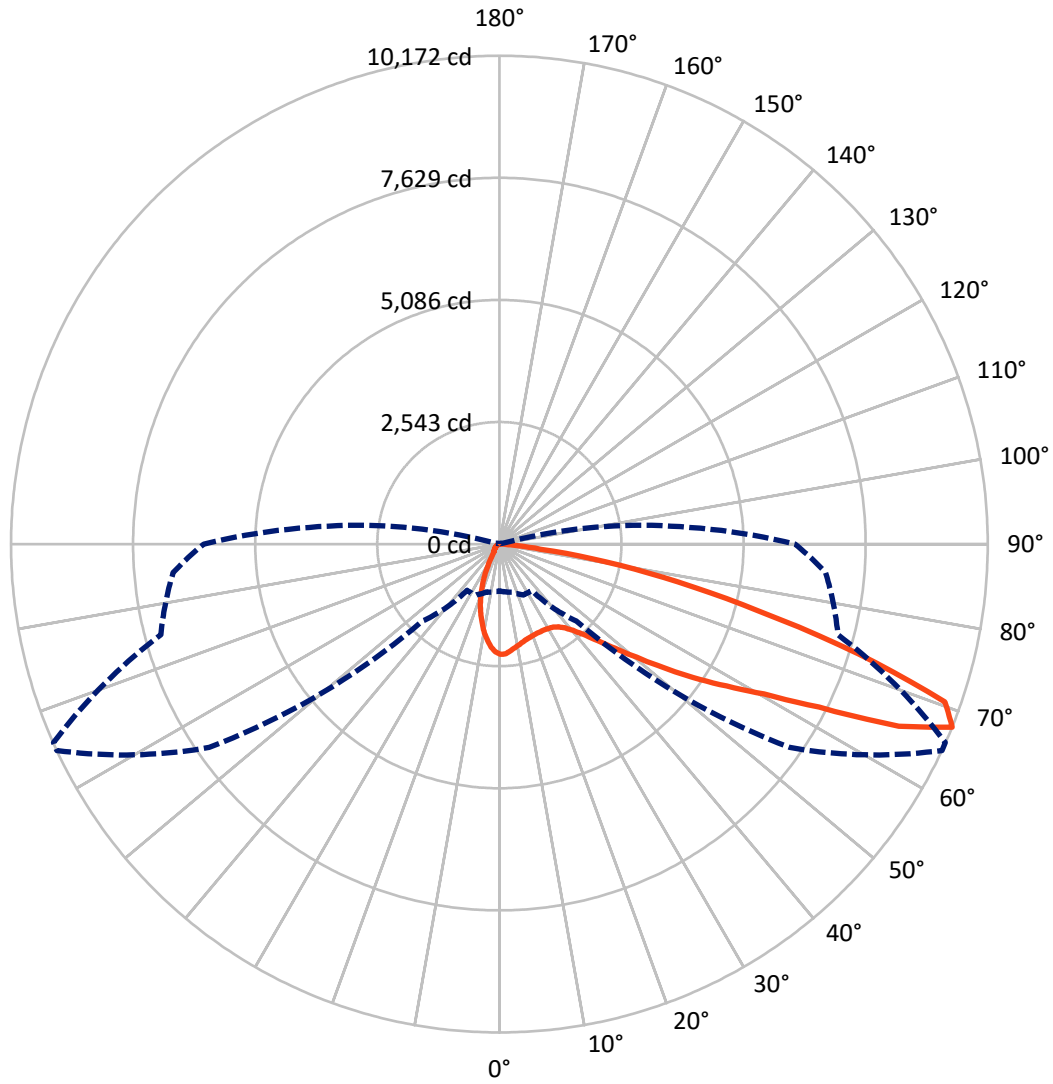
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1182.3	0.0	1182.3
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	8285.6	0.0	8285.6
	% Fixture	87.5	0.0	87.5
Total	Lumens	9467.9	0.0	9467.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.7	2.0
10°-20°	428.7	4.5
20°-30°	612.6	6.5
30°-40°	891.3	9.4
40°-50°	1395.9	14.7
50°-60°	2177.6	23.0
60°-70°	2392.0	25.3
70°-80°	1273.0	13.4
80°-90°	106.0	1.1
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°	9467.9	100.0
0°-180°	9467.9	100.0

Coefficient of Utilization

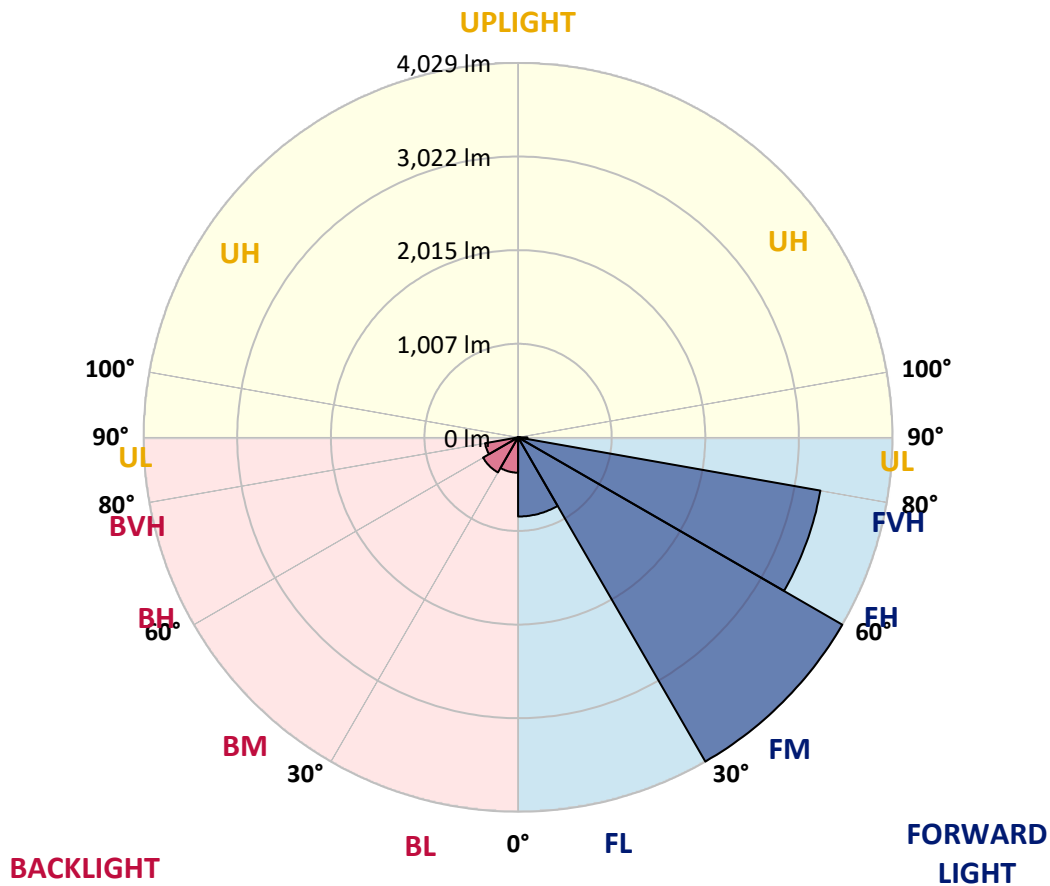


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	852.1	9.0			
FM (30°-60°)	4029.3	42.6			
FH (60°-80°)	3303.9	34.9			G2/5000
FVH (80°-90°)	100.3	1.1			G2/225
BL (0°-30°)	380.0	4.0	B1/500		
BM (30°-60°)	435.5	4.6	B1/1000		
BH (60°-80°)	361.1	3.8	B1/500		G1/500
BVH (80°-90°)	5.7	0.1			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°	66°	75°	85°
0°	2296.3	2296.3	2296.3	2296.3	2296.3	2296.3	2296.3	2296.3	2296.3	2296.3	2296.3
2.5°	2216.6	2223.5	2214.1	2237.2	2241.5	2267.2	2281.7	2292.0	2291.1	2304.0	2304.0
5°	2086.5	2093.4	2088.2	2113.0	2132.7	2173.0	2206.4	2244.9	2246.6	2286.0	2300.5
7.5°	1976.1	1976.9	1976.9	2007.7	2033.4	2083.1	2132.7	2191.8	2198.7	2259.4	2298.0
10°	1885.3	1887.9	1888.7	1923.8	1952.1	2012.0	2075.4	2146.4	2154.1	2236.3	2296.3
12.5°	1822.8	1823.7	1827.1	1863.9	1894.7	1957.2	2021.4	2102.8	2113.0	2209.8	2288.6
15°	1792.8	1791.1	1792.8	1823.7	1854.5	1914.4	1980.3	2067.7	2078.8	2187.5	2289.4
17.5°	1791.1	1788.6	1786.8	1810.0	1829.6	1882.7	1949.5	2044.5	2056.5	2177.3	2298.8
20°	1815.9	1814.2	1805.7	1815.9	1820.2	1863.9	1929.8	2026.6	2038.6	2175.5	2319.4
22.5°	1881.0	1876.7	1863.9	1854.5	1831.4	1857.0	1916.1	2013.7	2027.4	2179.8	2345.9
25°	1977.8	1976.1	1959.8	1936.7	1877.6	1867.3	1917.0	2013.7	2026.6	2185.0	2374.2
27.5°	2123.3	2113.0	2092.5	2052.3	1967.5	1907.6	1934.1	2018.9	2031.7	2191.8	2397.3
30°	2271.4	2270.6	2263.7	2222.6	2096.8	1984.6	1970.1	2032.6	2044.5	2197.8	2418.7
32.5°	2424.7	2427.3	2444.4	2412.7	2274.9	2099.3	2035.1	2060.8	2069.4	2209.8	2437.5
35°	2570.2	2575.4	2620.8	2631.9	2491.5	2273.1	2141.3	2117.3	2118.2	2236.3	2462.4
37.5°	2709.8	2726.9	2799.7	2853.6	2761.2	2483.8	2294.6	2213.2	2206.4	2289.4	2500.0
40°	2868.2	2900.7	2992.3	3083.9	3054.8	2762.0	2503.5	2360.5	2345.9	2387.0	2567.7
42.5°	3043.7	3078.8	3200.4	3328.8	3342.5	3098.5	2764.6	2575.4	2550.5	2551.4	2694.4
45°	3232.1	3279.2	3420.4	3605.4	3688.4	3473.5	3086.5	2865.6	2840.8	2804.0	2898.2
47.5°	3479.5	3520.6	3656.7	3869.9	4029.2	3875.9	3508.6	3238.9	3193.5	3139.6	3214.9
50°	3692.7	3728.6	3845.9	4113.1	4444.4	4394.8	3987.2	3705.5	3661.9	3570.3	3632.8
52.5°	3739.8	3768.0	3875.9	4176.4	4762.1	5049.7	4573.7	4269.7	4238.9	4069.4	4093.4
55°	3528.3	3571.1	3667.9	4001.8	4845.1	5690.1	5334.8	4905.9	4841.7	4571.1	4613.9
57.5°	2994.0	3070.2	3161.0	3595.1	4619.9	6030.9	6398.2	5579.7	5521.5	5054.0	5054.9
60°	2194.4	2256.0	2316.8	2714.1	4085.7	6007.8	7363.1	6336.6	6230.4	5448.7	5434.1
62.5°	1595.9	1627.6	1626.7	1768.0	2805.7	5612.2	7870.0	7477.0	7229.6	5870.8	5787.7
65°	1255.2	1254.3	1291.1	1337.3	1566.8	4332.3	7932.5	9142.2	8875.1	6436.7	6263.8
67.5°	976.9	995.7	1032.5	1168.7	1177.2	2267.2	7382.8	10172.2	10167.1	7300.6	6821.2
70°	753.4	779.1	831.3	1030.0	1087.3	1268.9	5524.0	9846.0	9929.1	7686.7	6426.5
72.5°	483.7	482.0	559.1	832.2	1044.5	1057.4	3054.8	7821.2	7915.3	6962.4	5196.1
75°	270.6	272.3	315.9	509.4	973.5	994.9	1512.9	5577.1	5651.6	5428.2	3992.3
77.5°	106.2	109.6	148.1	268.0	642.1	888.7	899.0	3803.1	3814.3	3363.9	2448.7
80°	42.8	45.4	75.3	166.1	391.3	598.5	642.1	2240.6	2195.2	1302.2	712.3
82.5°	12.8	13.7	30.0	94.2	204.6	425.5	433.2	859.6	811.7	280.0	181.5
85°	0.9	0.9	6.8	29.1	72.8	107.0	288.5	280.0	248.3	70.2	80.5
87.5°	0.0	0.0	0.9	0.9	1.7	3.4	30.8	51.4	52.2	12.8	36.0
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°	2296.3	2296.3	2296.3	2296.3	2296.3	2296.3	2296.3	2296.3	2296.3	2296.3	2296.3
2.5°	2304.0	2273.1	2270.6	2246.6	2222.6	2192.7	2157.6	2131.9	2113.9	2082.2	2076.2
5°	2300.5	2259.4	2220.9	2152.4	2076.2	1994.0	1922.1	1855.3	1813.4	1785.1	1773.1
7.5°	2293.7	2241.5	2152.4	2023.1	1895.6	1751.7	1639.6	1536.8	1466.6	1425.5	1407.6
10°	2288.6	2218.4	2073.7	1877.6	1679.8	1481.2	1310.8	1158.4	1073.6	1006.9	995.7
12.5°	2278.3	2185.0	1972.6	1707.2	1452.1	1188.4	970.9	784.3	655.0	596.8	576.2
15°	2268.0	2149.9	1871.6	1527.4	1203.8	878.4	614.7	434.9	345.9	318.5	316.8
17.5°	2266.3	2118.2	1762.0	1357.0	943.5	575.4	350.2	281.7	262.8	256.0	256.0
20°	2271.4	2091.6	1654.1	1161.0	687.5	350.2	261.1	244.0	232.9	226.9	226.9
22.5°	2276.6	2064.2	1550.5	963.2	456.3	256.0	230.3	215.8	202.9	196.1	192.6
25°	2280.0	2034.3	1435.8	764.6	297.9	222.6	202.1	183.2	167.8	159.2	159.2
27.5°	2279.1	1998.3	1320.2	570.2	231.2	197.8	172.9	153.3	137.8	128.4	129.3
30°	2272.3	1958.9	1200.4	398.1	202.1	172.9	148.1	127.6	112.2	104.5	103.6
32.5°	2267.2	1917.0	1061.7	280.0	181.5	151.5	125.9	106.2	93.3	87.3	86.5
35°	2261.2	1875.9	929.8	213.2	163.5	131.0	106.2	89.9	79.6	74.5	74.5
37.5°	2262.9	1833.1	786.8	183.2	145.5	113.9	90.8	77.1	68.5	63.4	62.5
40°	2289.4	1807.4	646.4	166.1	129.3	98.5	78.8	66.8	58.2	53.1	52.2
42.5°	2355.3	1808.2	512.0	153.3	114.7	83.9	68.5	57.4	49.7	43.7	42.8
45°	2487.2	1844.2	393.0	139.6	99.3	72.8	59.1	48.8	41.1	36.0	35.1
47.5°	2702.9	1951.2	297.9	127.6	86.5	63.4	50.5	41.1	34.2	30.0	29.1
50°	3046.3	2144.7	234.6	113.0	72.8	54.8	42.8	34.2	28.3	24.0	23.1
52.5°	3459.0	2435.0	201.2	100.2	62.5	47.9	36.8	28.3	23.1	19.7	18.8
55°	3933.3	2781.7	185.8	87.3	53.1	41.1	30.0	23.1	18.8	16.3	14.6
57.5°	4368.2	3094.2	184.9	74.5	45.4	35.1	24.8	19.7	16.3	12.8	12.0
60°	4792.0	3355.4	173.8	61.6	39.4	29.1	21.4	16.3	13.7	11.1	10.3
62.5°	5176.4	3567.7	145.5	49.7	33.4	24.0	18.0	14.6	12.0	9.4	9.4
65°	5659.3	3838.2	111.3	40.2	27.4	19.7	15.4	12.8	11.1	8.6	8.6
67.5°	6158.5	3981.2	79.6	33.4	22.3	17.1	13.7	12.0	9.4	7.7	7.7
70°	5578.0	3363.9	57.4	27.4	18.8	14.6	12.0	11.1	9.4	7.7	6.8
72.5°	4356.2	2425.5	42.8	21.4	16.3	13.7	11.1	10.3	8.6	6.8	6.8
75°	3230.4	1414.4	32.5	17.1	12.8	11.1	11.1	10.3	8.6	6.8	6.0
77.5°	1756.0	493.2	24.8	13.7	10.3	8.6	9.4	9.4	7.7	6.0	5.1
80°	464.9	135.3	17.1	10.3	8.6	6.8	6.8	8.6	6.8	5.1	5.1
82.5°	135.3	39.4	12.0	8.6	6.8	6.0	6.0	6.0	5.1	4.3	3.4
85°	65.9	14.6	8.6	6.8	6.0	5.1	4.3	4.3	3.4	2.6	2.6
87.5°	29.1	6.0	6.8	6.0	6.0	4.3	3.4	2.6	2.6	1.7	0.9
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)