

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: P632751

Luminaire Tested: GWS-SA2D-735-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632751
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9129 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

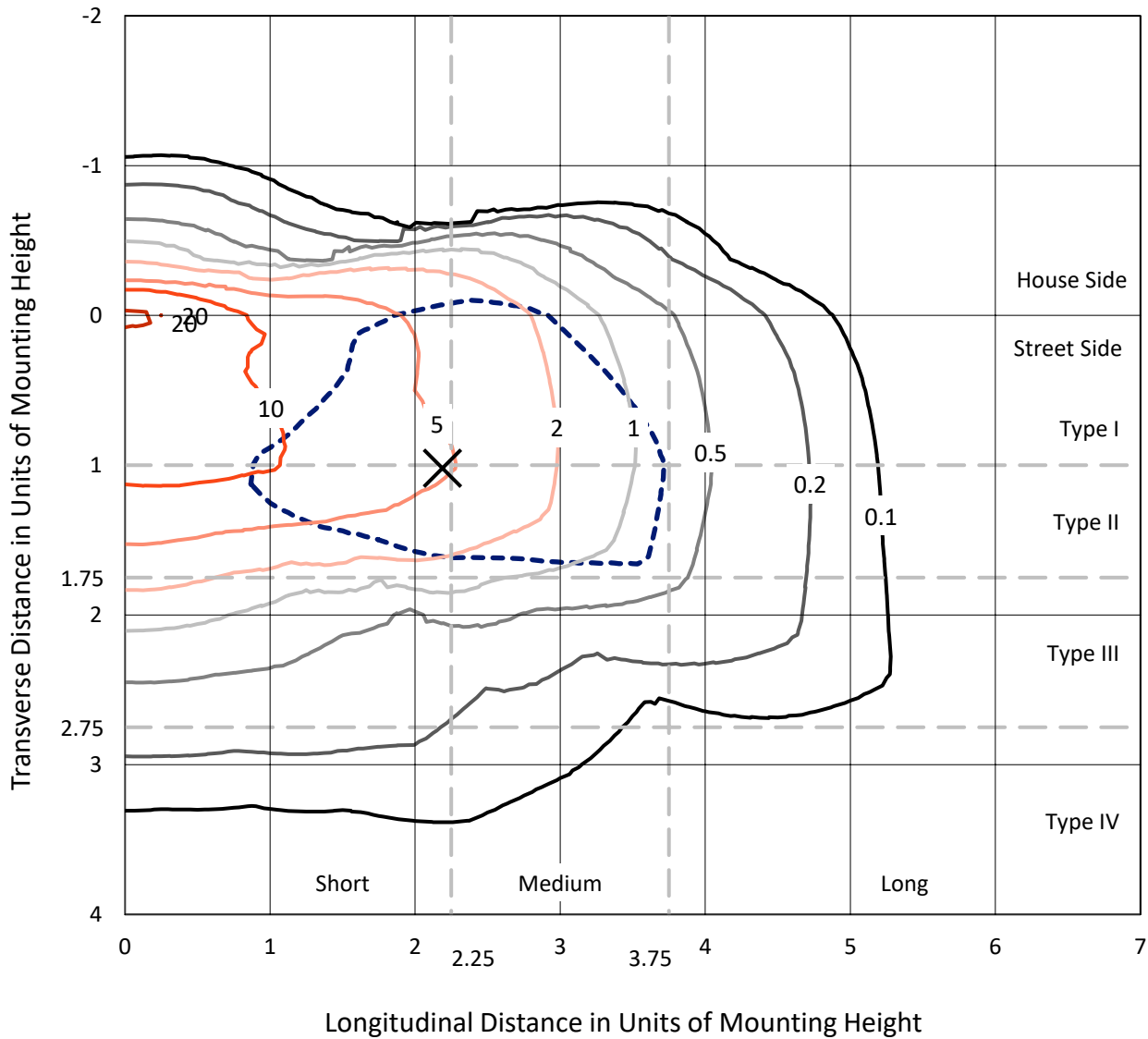
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632751
 CATALOG NUMBER: GWS-SA2D-735-U-SL2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

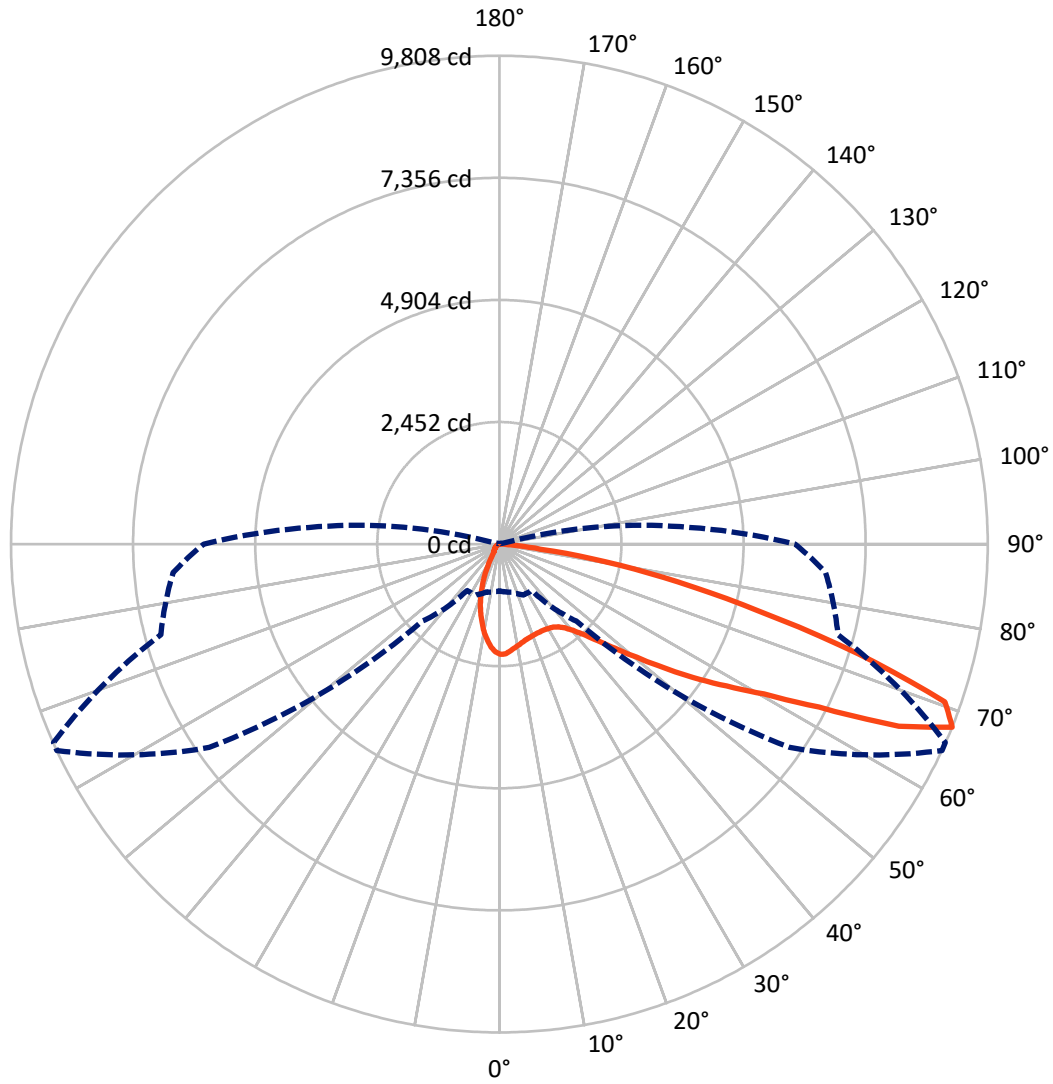
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.1 fc
 Type II - Short - N/A

REPORT NUMBER: P632751
CATALOG NUMBER: GWS-SA2D-735-U-SL2-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P632751
 CATALOG NUMBER: GWS-SA2D-735-U-SL2-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1140.0	0.0	1140.0
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	7989.1	0.0	7989.1
	% Fixture	87.5	0.0	87.5
Total	Lumens	9129.0	0.0	9129.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.9	2.0
10°-20°	413.4	4.5
20°-30°	590.7	6.5
30°-40°	859.4	9.4
40°-50°	1345.9	14.7
50°-60°	2099.7	23.0
60°-70°	2306.4	25.3
70°-80°	1227.5	13.4
80°-90°	102.2	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°	9129.0	100.0
0°-180°	9129.0	100.0

Coefficient of Utilization



REPORT NUMBER: P632751

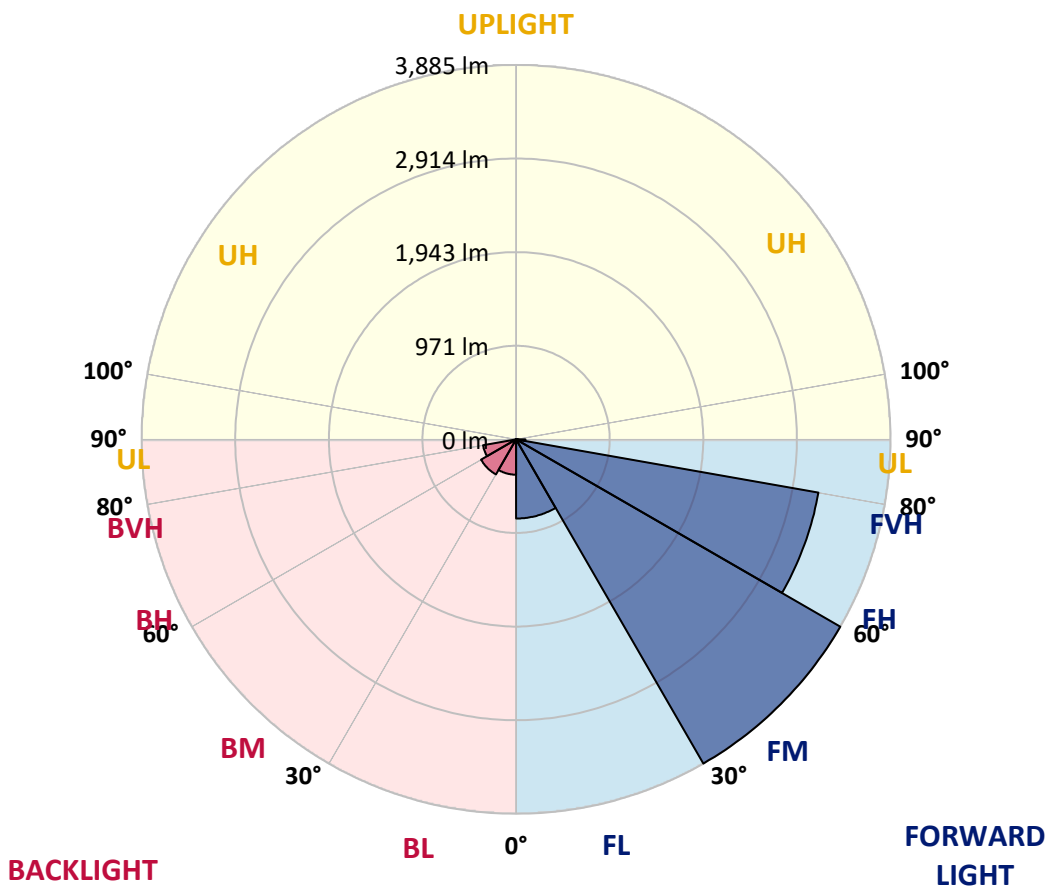
CATALOG NUMBER: GWS-SA2D-735-U-SL2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	821.6	9.0			
FM (30°-60°)	3885.1	42.6			
FH (60°-80°)	3185.7	34.9			G2/5000
FVH (80°-90°)	96.7	1.1			G1/100
BL (0°-30°)	366.4	4.0	B1/500		
BM (30°-60°)	419.9	4.6	B1/1000		
BH (60°-80°)	348.2	3.8	B1/500		G1/500
BVH (80°-90°)	5.5	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





REPORT NUMBER: P632751

CATALOG NUMBER: GWS-SA2D-735-U-SL2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2214.1	2214.1	2214.1	2214.1	2214.1	2214.1	2214.1	2214.1	2214.1	2214.1	2214.1
2.5°	2137.3	2143.9	2134.8	2157.1	2161.2	2186.0	2200.0	2209.9	2209.1	2221.5	2221.5
5°	2011.8	2018.4	2013.5	2037.4	2056.4	2095.2	2127.4	2164.5	2166.2	2204.2	2218.2
7.5°	1905.3	1906.1	1906.1	1935.9	1960.6	2008.5	2056.4	2113.4	2120.0	2178.6	2215.7
10°	1817.8	1820.3	1821.1	1855.0	1882.2	1940.0	2001.1	2069.6	2077.0	2156.3	2214.1
12.5°	1757.6	1758.4	1761.7	1797.2	1826.9	1887.2	1949.1	2027.5	2037.4	2130.7	2206.6
15°	1728.7	1727.0	1728.7	1758.4	1788.1	1845.9	1909.4	1993.7	2004.4	2109.2	2207.5
17.5°	1727.0	1724.5	1722.9	1745.2	1764.2	1815.3	1879.7	1971.4	1982.9	2099.3	2216.5
20°	1750.9	1749.3	1741.0	1750.9	1755.1	1797.2	1860.7	1954.0	1965.6	2097.7	2236.4
22.5°	1813.7	1809.6	1797.2	1788.1	1765.8	1790.6	1847.5	1941.6	1954.9	2101.8	2262.0
25°	1907.0	1905.3	1889.6	1867.3	1810.4	1800.5	1848.4	1941.6	1954.0	2106.8	2289.2
27.5°	2047.3	2037.4	2017.6	1978.8	1897.1	1839.3	1864.9	1946.6	1959.0	2113.4	2311.5
30°	2190.1	2189.3	2182.7	2143.1	2021.7	1913.6	1899.5	1959.8	1971.4	2119.1	2332.1
32.5°	2337.9	2340.4	2356.9	2326.3	2193.4	2024.2	1962.3	1987.0	1995.3	2130.7	2350.3
35°	2478.2	2483.2	2526.9	2537.7	2402.3	2191.8	2064.6	2041.5	2042.4	2156.3	2374.2
37.5°	2612.8	2629.3	2699.5	2751.5	2662.3	2394.9	2212.4	2134.0	2127.4	2207.5	2410.5
40°	2765.5	2796.9	2885.2	2973.6	2945.5	2663.2	2413.8	2276.0	2262.0	2301.6	2475.8
42.5°	2934.8	2968.6	3085.8	3209.7	3222.9	2987.6	2665.6	2483.2	2459.3	2460.1	2597.9
45°	3116.4	3161.8	3298.0	3476.3	3556.4	3349.2	2976.0	2763.0	2739.1	2703.6	2794.4
47.5°	3355.0	3394.6	3525.8	3731.4	3884.9	3737.2	3383.0	3123.0	3079.2	3027.2	3099.9
50°	3560.5	3595.2	3708.3	3965.8	4285.3	4237.4	3844.5	3572.9	3530.8	3442.5	3502.7
52.5°	3605.9	3633.2	3737.2	4026.9	4591.6	4869.0	4410.0	4116.9	4087.2	3923.7	3946.9
55°	3402.0	3443.3	3536.6	3858.5	4671.7	5486.5	5143.9	4730.3	4668.4	4407.5	4448.8
57.5°	2886.9	2960.3	3047.9	3466.4	4454.6	5815.0	6169.2	5380.0	5323.8	4873.1	4873.9
60°	2115.8	2175.3	2233.9	2616.9	3939.4	5792.7	7099.6	6109.7	6007.4	5253.7	5239.6
62.5°	1538.8	1569.3	1568.5	1704.7	2705.3	5411.3	7588.3	7209.3	6970.8	5660.7	5580.6
65°	1210.2	1209.4	1244.9	1289.5	1510.7	4177.2	7648.5	8815.0	8557.4	6206.3	6039.6
67.5°	941.9	960.1	995.6	1126.8	1135.1	2186.0	7118.5	9808.1	9803.2	7039.3	6577.0
70°	726.5	751.2	801.6	993.1	1048.4	1223.4	5326.3	9493.6	9573.7	7411.6	6196.4
72.5°	466.4	464.8	539.1	802.4	1007.1	1019.5	2945.5	7541.2	7632.0	6713.2	5010.1
75°	260.9	262.5	304.6	491.2	938.6	959.3	1458.7	5377.5	5449.3	5233.9	3849.4
77.5°	102.4	105.7	142.8	258.4	619.1	856.9	866.8	3667.0	3677.7	3243.5	2361.0
80°	41.3	43.8	72.6	160.2	377.3	577.0	619.1	2160.4	2116.7	1255.6	686.8
82.5°	12.4	13.2	28.9	90.8	197.3	410.3	417.7	828.8	782.6	269.9	175.0
85°	0.8	0.8	6.6	28.1	70.2	103.2	278.2	269.9	239.4	67.7	77.6
87.5°	0.0	0.0	0.8	0.8	1.7	3.3	29.7	49.5	50.4	12.4	34.7
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: P632751

CATALOG NUMBER: GWS-SA2D-735-U-SL2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2214.1	2214.1	2214.1	2214.1	2214.1	2214.1	2214.1	2214.1	2214.1	2214.1	2214.1
2.5°	2221.5	2191.8	2189.3	2166.2	2143.1	2114.2	2080.3	2055.6	2038.2	2007.7	2001.9
5°	2218.2	2178.6	2141.4	2075.4	2001.9	1922.7	1853.3	1788.9	1748.5	1721.2	1709.7
7.5°	2211.6	2161.2	2075.4	1950.7	1827.7	1689.0	1580.9	1481.8	1414.1	1374.5	1357.2
10°	2206.6	2138.9	1999.4	1810.4	1619.7	1428.2	1263.9	1116.9	1035.2	970.8	960.1
12.5°	2196.7	2106.8	1902.0	1646.1	1400.1	1145.8	936.2	756.2	631.5	575.4	555.6
15°	2186.8	2072.9	1804.6	1472.7	1160.7	847.0	592.7	419.4	333.5	307.1	305.4
17.5°	2185.2	2042.4	1698.9	1308.5	909.7	554.8	337.6	271.6	253.4	246.8	246.8
20°	2190.1	2016.8	1594.9	1119.4	662.9	337.6	251.8	235.3	224.5	218.8	218.8
22.5°	2195.1	1990.4	1495.0	928.7	440.0	246.8	222.1	208.0	195.7	189.0	185.7
25°	2198.4	1961.5	1384.4	737.2	287.3	214.6	194.8	176.7	161.8	153.5	153.5
27.5°	2197.6	1926.8	1273.0	549.8	222.9	190.7	166.8	147.8	132.9	123.8	124.7
30°	2191.0	1888.8	1157.4	383.9	194.8	166.8	142.8	123.0	108.1	100.7	99.9
32.5°	2186.0	1848.4	1023.7	269.9	175.0	146.1	121.4	102.4	90.0	84.2	83.4
35°	2180.2	1808.7	896.5	205.6	157.7	126.3	102.4	86.7	76.8	71.8	71.8
37.5°	2181.9	1767.5	758.7	176.7	140.3	109.8	87.5	74.3	66.0	61.1	60.3
40°	2207.5	1742.7	623.3	160.2	124.7	94.9	75.9	64.4	56.1	51.2	50.4
42.5°	2271.0	1743.5	493.7	147.8	110.6	80.9	66.0	55.3	47.9	42.1	41.3
45°	2398.2	1778.2	378.9	134.6	95.8	70.2	57.0	47.1	39.6	34.7	33.8
47.5°	2606.2	1881.4	287.3	123.0	83.4	61.1	48.7	39.6	33.0	28.9	28.1
50°	2937.2	2068.0	226.2	109.0	70.2	52.8	41.3	33.0	27.2	23.1	22.3
52.5°	3335.1	2347.8	194.0	96.6	60.3	46.2	35.5	27.2	22.3	19.0	18.2
55°	3792.5	2682.1	179.1	84.2	51.2	39.6	28.9	22.3	18.2	15.7	14.0
57.5°	4211.9	2983.5	178.3	71.8	43.8	33.8	23.9	19.0	15.7	12.4	11.6
60°	4620.5	3235.3	167.6	59.4	38.0	28.1	20.6	15.7	13.2	10.7	9.9
62.5°	4991.2	3440.0	140.3	47.9	32.2	23.1	17.3	14.0	11.6	9.1	9.1
65°	5456.7	3700.8	107.3	38.8	26.4	19.0	14.9	12.4	10.7	8.3	8.3
67.5°	5938.0	3838.7	76.8	32.2	21.5	16.5	13.2	11.6	9.1	7.4	7.4
70°	5378.3	3243.5	55.3	26.4	18.2	14.0	11.6	10.7	9.1	7.4	6.6
72.5°	4200.3	2338.7	41.3	20.6	15.7	13.2	10.7	9.9	8.3	6.6	6.6
75°	3114.7	1363.8	31.4	16.5	12.4	10.7	10.7	9.9	8.3	6.6	5.8
77.5°	1693.2	475.5	23.9	13.2	9.9	8.3	9.1	9.1	7.4	5.8	5.0
80°	448.3	130.4	16.5	9.9	8.3	6.6	6.6	8.3	6.6	5.0	5.0
82.5°	130.4	38.0	11.6	8.3	6.6	5.8	5.8	5.8	5.0	4.1	3.3
85°	63.6	14.0	8.3	6.6	5.8	5.0	4.1	4.1	3.3	2.5	2.5
87.5°	28.1	5.8	6.6	5.8	5.8	4.1	3.3	2.5	2.5	1.7	0.8
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)