

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: P632806

Luminaire Tested: GWS-SA2D-740-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632806
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9255.8 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

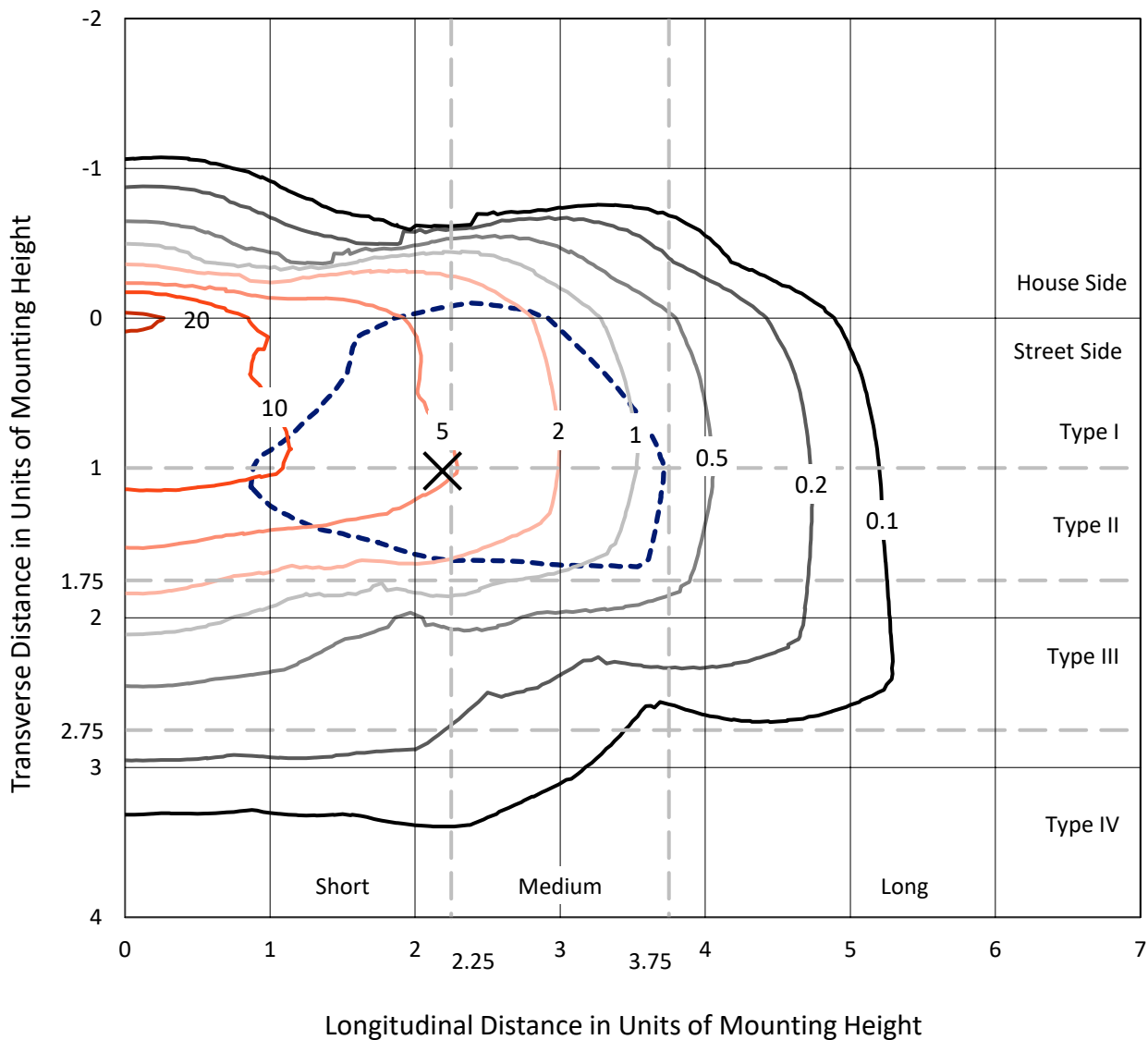
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632806
 CATALOG NUMBER: GWS-SA2D-740-U-SL2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

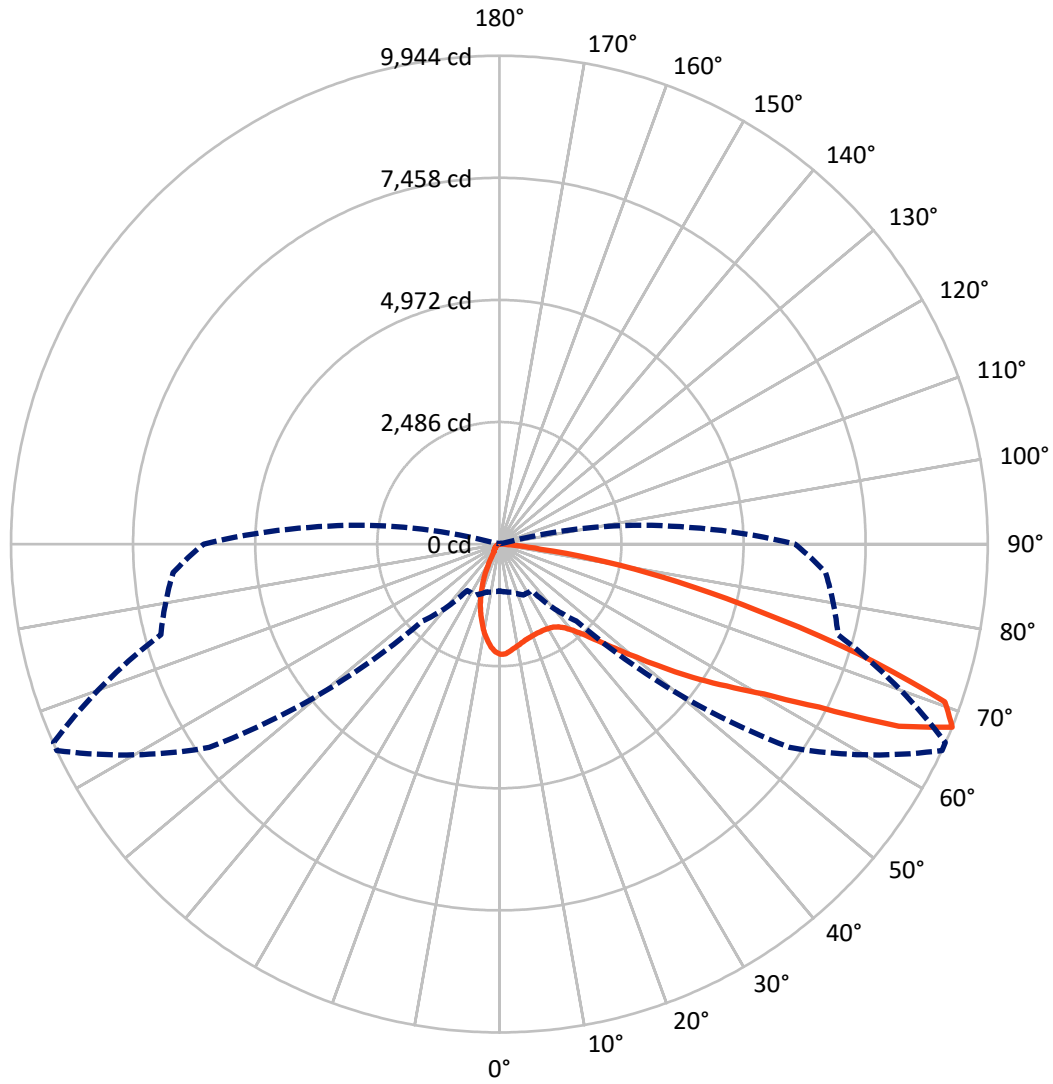
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.4 fc
 Type II - Short - N/A

REPORT NUMBER: P632806
CATALOG NUMBER: GWS-SA2D-740-U-SL2-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P632806
 CATALOG NUMBER: GWS-SA2D-740-U-SL2-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1155.8	0.0	1155.8
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	8100.0	0.0	8100.0
	% Fixture	87.5	0.0	87.5
Total	Lumens	9255.8	0.0	9255.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.4	2.0
10°-20°	419.1	4.5
20°-30°	598.9	6.5
30°-40°	871.3	9.4
40°-50°	1364.6	14.7
50°-60°	2128.9	23.0
60°-70°	2338.4	25.3
70°-80°	1244.5	13.4
80°-90°	103.6	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°	9255.8	100.0
0°-180°	9255.8	100.0

Coefficient of Utilization



REPORT NUMBER: P632806

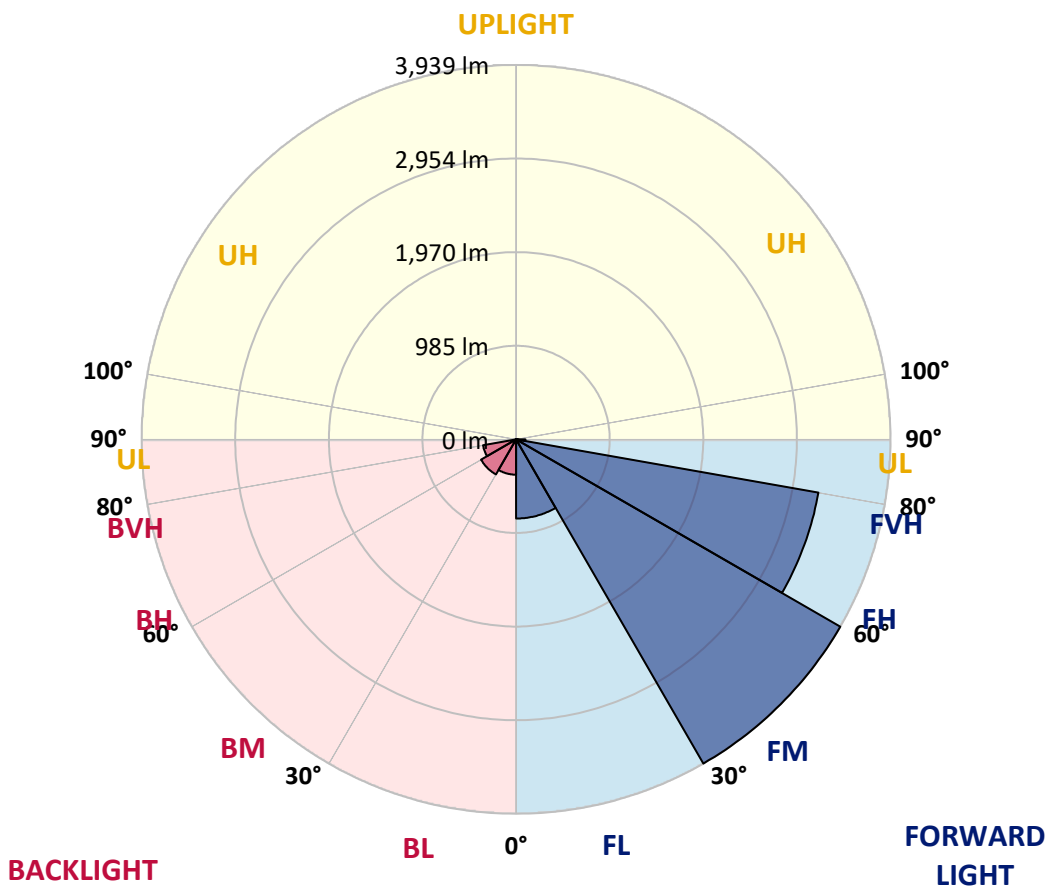
CATALOG NUMBER: GWS-SA2D-740-U-SL2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	833.0	9.0			
FM (30°-60°)	3939.1	42.6			
FH (60°-80°)	3229.9	34.9			G2/5000
FVH (80°-90°)	98.1	1.1			G1/100
BL (0°-30°)	371.5	4.0	B1/500		
BM (30°-60°)	425.7	4.6	B1/1000		
BH (60°-80°)	353.0	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: P632806

CATALOG NUMBER: GWS-SA2D-740-U-SL2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2244.8	2244.8	2244.8	2244.8	2244.8	2244.8	2244.8	2244.8	2244.8	2244.8	2244.8
2.5°	2167.0	2173.7	2164.5	2187.1	2191.3	2216.4	2230.6	2240.6	2239.8	2252.4	2252.4
5°	2039.8	2046.5	2041.4	2065.7	2085.0	2124.3	2156.9	2194.6	2196.3	2234.8	2249.0
7.5°	1931.8	1932.6	1932.6	1962.8	1987.9	2036.4	2085.0	2142.7	2149.4	2208.8	2246.5
10°	1843.1	1845.6	1846.4	1880.7	1908.4	1966.9	2028.9	2098.3	2105.9	2186.2	2244.8
12.5°	1782.0	1782.8	1786.1	1822.1	1852.3	1913.4	1976.1	2055.7	2065.7	2160.3	2237.3
15°	1752.7	1751.0	1752.7	1782.8	1812.9	1871.5	1936.0	2021.3	2032.2	2138.5	2238.1
17.5°	1751.0	1748.5	1746.8	1769.4	1788.7	1840.6	1905.8	1998.7	2010.5	2128.5	2247.3
20°	1775.3	1773.6	1765.2	1775.3	1779.5	1822.1	1886.6	1981.2	1992.9	2126.8	2267.4
22.5°	1838.9	1834.7	1822.1	1812.9	1790.3	1815.4	1873.2	1968.6	1982.0	2131.0	2293.4
25°	1933.5	1931.8	1915.9	1893.3	1835.5	1825.5	1874.0	1968.6	1981.2	2136.0	2321.0
27.5°	2075.7	2065.7	2045.6	2006.3	1923.4	1864.8	1890.8	1973.6	1986.2	2142.7	2343.6
30°	2220.6	2219.7	2213.0	2172.8	2049.8	1940.2	1925.9	1987.0	1998.7	2148.6	2364.5
32.5°	2370.4	2372.9	2389.6	2358.7	2223.9	2052.3	1989.5	2014.6	2023.0	2160.3	2382.9
35°	2512.7	2517.7	2562.0	2572.9	2435.7	2222.2	2093.3	2069.9	2070.7	2186.2	2407.2
37.5°	2649.1	2665.8	2737.0	2789.7	2699.3	2428.1	2243.1	2163.6	2156.9	2238.1	2444.0
40°	2803.9	2835.7	2925.3	3014.9	2986.4	2700.1	2447.4	2307.6	2293.4	2333.5	2510.2
42.5°	2975.5	3009.8	3128.7	3254.2	3267.6	3029.1	2702.7	2517.7	2493.4	2494.2	2634.0
45°	3159.7	3205.7	3343.8	3524.6	3605.8	3395.7	3017.4	2801.4	2777.2	2741.2	2833.2
47.5°	3401.6	3441.7	3574.8	3783.2	3938.9	3789.1	3430.0	3166.4	3122.0	3069.3	3142.9
50°	3610.0	3645.1	3759.8	4020.9	4344.8	4296.3	3897.9	3622.5	3579.8	3490.3	3551.4
52.5°	3656.0	3683.6	3789.1	4082.9	4655.4	4936.6	4471.2	4174.1	4144.0	3978.2	4001.7
55°	3449.3	3491.1	3585.7	3912.1	4736.6	5562.7	5215.3	4796.0	4733.2	4468.7	4510.6
57.5°	2927.0	3001.5	3090.2	3514.5	4516.4	5895.8	6254.9	5454.7	5397.8	4940.8	4941.6
60°	2145.2	2205.5	2264.9	2653.3	3994.1	5873.2	7198.2	6194.6	6090.8	5326.6	5312.4
62.5°	1560.2	1591.1	1590.3	1728.4	2742.8	5486.5	7693.7	7309.5	7067.6	5739.3	5658.1
65°	1227.0	1226.2	1262.2	1307.4	1531.7	4235.2	7754.8	8937.4	8676.3	6292.5	6123.5
67.5°	955.0	973.4	1009.4	1142.5	1150.9	2216.4	7217.4	9944.3	9939.3	7137.1	6668.3
70°	736.6	761.7	812.7	1006.9	1063.0	1240.4	5400.3	9625.5	9706.6	7514.5	6282.5
72.5°	472.9	471.2	546.6	813.6	1021.1	1033.7	2986.4	7646.0	7738.0	6806.5	5079.7
75°	264.5	266.2	308.9	498.0	951.7	972.6	1479.0	5452.2	5525.0	5306.6	3902.9
77.5°	103.8	107.1	144.8	262.0	627.7	868.8	878.8	3717.9	3728.8	3288.6	2393.8
80°	41.8	44.4	73.7	162.4	382.5	585.1	627.7	2190.4	2146.1	1273.1	696.4
82.5°	12.6	13.4	29.3	92.1	200.0	416.0	423.5	840.3	793.5	273.7	177.4
85°	0.8	0.8	6.7	28.5	71.1	104.6	282.1	273.7	242.7	68.6	78.7
87.5°	0.0	0.0	0.8	0.8	1.7	3.3	30.1	50.2	51.1	12.6	35.2
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: P632806
 CATALOG NUMBER: GWS-SA2D-740-U-SL2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2244.8	2244.8	2244.8	2244.8	2244.8	2244.8	2244.8	2244.8	2244.8	2244.8	2244.8
2.5°	2252.4	2222.2	2219.7	2196.3	2172.8	2143.5	2109.2	2084.1	2066.5	2035.6	2029.7
5°	2249.0	2208.8	2171.2	2104.2	2029.7	1949.4	1879.1	1813.8	1772.8	1745.1	1733.4
7.5°	2242.3	2191.3	2104.2	1977.8	1853.1	1712.5	1602.8	1502.4	1433.8	1393.6	1376.0
10°	2237.3	2168.7	2027.2	1835.5	1642.2	1448.0	1281.4	1132.5	1049.6	984.3	973.4
12.5°	2227.2	2136.0	1928.4	1669.0	1419.5	1161.8	949.2	766.7	640.3	583.4	563.3
15°	2217.2	2101.7	1829.7	1493.2	1176.8	858.8	601.0	425.2	338.1	311.4	309.7
17.5°	2215.5	2070.7	1722.5	1326.6	922.4	562.5	342.3	275.4	257.0	250.3	250.3
20°	2220.6	2044.8	1617.1	1135.0	672.1	342.3	255.3	238.5	227.7	221.8	221.8
22.5°	2225.6	2018.0	1515.8	941.6	446.1	250.3	225.2	210.9	198.4	191.7	188.3
25°	2228.9	1988.7	1403.6	747.4	291.3	217.6	197.5	179.1	164.1	155.7	155.7
27.5°	2228.1	1953.5	1290.6	557.4	226.0	193.3	169.1	149.8	134.8	125.5	126.4
30°	2221.4	1915.0	1173.5	389.2	197.5	169.1	144.8	124.7	109.6	102.1	101.3
32.5°	2216.4	1874.0	1037.9	273.7	177.4	148.1	123.0	103.8	91.2	85.4	84.5
35°	2210.5	1833.9	909.0	208.4	159.9	128.1	103.8	87.9	77.8	72.8	72.8
37.5°	2212.2	1792.0	769.2	179.1	142.3	111.3	88.7	75.3	67.0	61.9	61.1
40°	2238.1	1766.9	631.9	162.4	126.4	96.3	77.0	65.3	56.9	51.9	51.1
42.5°	2302.6	1767.7	500.5	149.8	112.2	82.0	67.0	56.1	48.5	42.7	41.8
45°	2431.5	1802.9	384.2	136.4	97.1	71.1	57.8	47.7	40.2	35.2	34.3
47.5°	2642.4	1907.5	291.3	124.7	84.5	61.9	49.4	40.2	33.5	29.3	28.5
50°	2978.0	2096.7	229.3	110.5	71.1	53.6	41.8	33.5	27.6	23.4	22.6
52.5°	3381.5	2380.4	196.7	97.9	61.1	46.9	36.0	27.6	22.6	19.3	18.4
55°	3845.2	2719.4	181.6	85.4	51.9	40.2	29.3	22.6	18.4	15.9	14.2
57.5°	4270.4	3024.9	180.8	72.8	44.4	34.3	24.3	19.3	15.9	12.6	11.7
60°	4684.7	3280.2	169.9	60.3	38.5	28.5	20.9	15.9	13.4	10.9	10.0
62.5°	5060.5	3487.8	142.3	48.5	32.6	23.4	17.6	14.2	11.7	9.2	9.2
65°	5532.5	3752.3	108.8	39.3	26.8	19.3	15.1	12.6	10.9	8.4	8.4
67.5°	6020.5	3892.0	77.8	32.6	21.8	16.7	13.4	11.7	9.2	7.5	7.5
70°	5453.0	3288.6	56.1	26.8	18.4	14.2	11.7	10.9	9.2	7.5	6.7
72.5°	4258.6	2371.2	41.8	20.9	15.9	13.4	10.9	10.0	8.4	6.7	6.7
75°	3158.0	1382.7	31.8	16.7	12.6	10.9	10.9	10.0	8.4	6.7	5.9
77.5°	1716.7	482.1	24.3	13.4	10.0	8.4	9.2	9.2	7.5	5.9	5.0
80°	454.5	132.2	16.7	10.0	8.4	6.7	6.7	8.4	6.7	5.0	5.0
82.5°	132.2	38.5	11.7	8.4	6.7	5.9	5.9	5.9	5.0	4.2	3.3
85°	64.4	14.2	8.4	6.7	5.9	5.0	4.2	4.2	3.3	2.5	2.5
87.5°	28.5	5.9	6.7	5.9	5.9	4.2	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)