

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: P634295

Luminaire Tested: GWS-SA3B-740-U-SL3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634295  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-740-U-SL3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

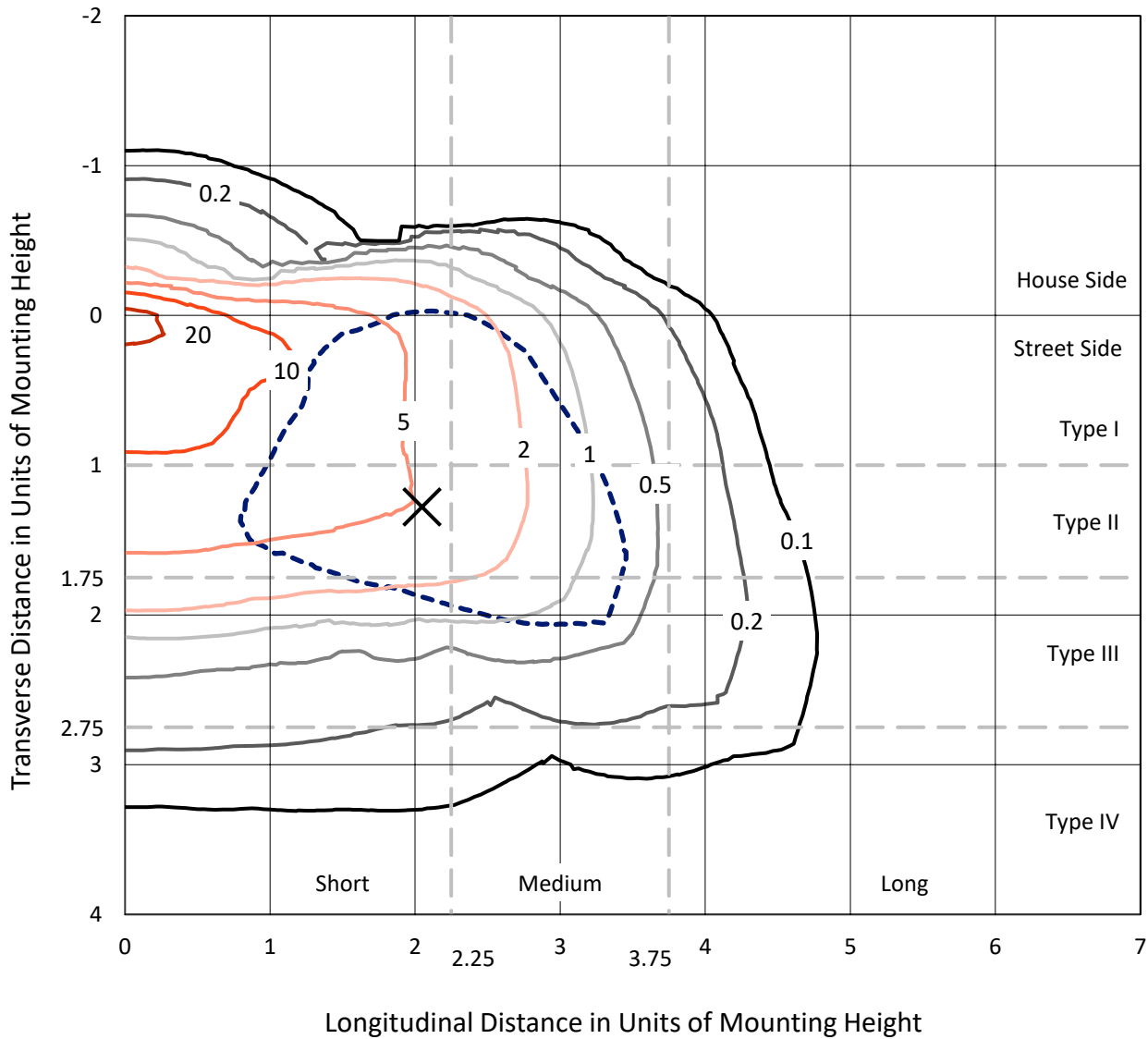
Lumens per Lamp: N/A  
Luminaire Lumens: 8424.4 lumens  
Efficiency: N/A  
Efficacy: 123.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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: P634295  
 CATALOG NUMBER: GWS-SA3B-740-U-SL3-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

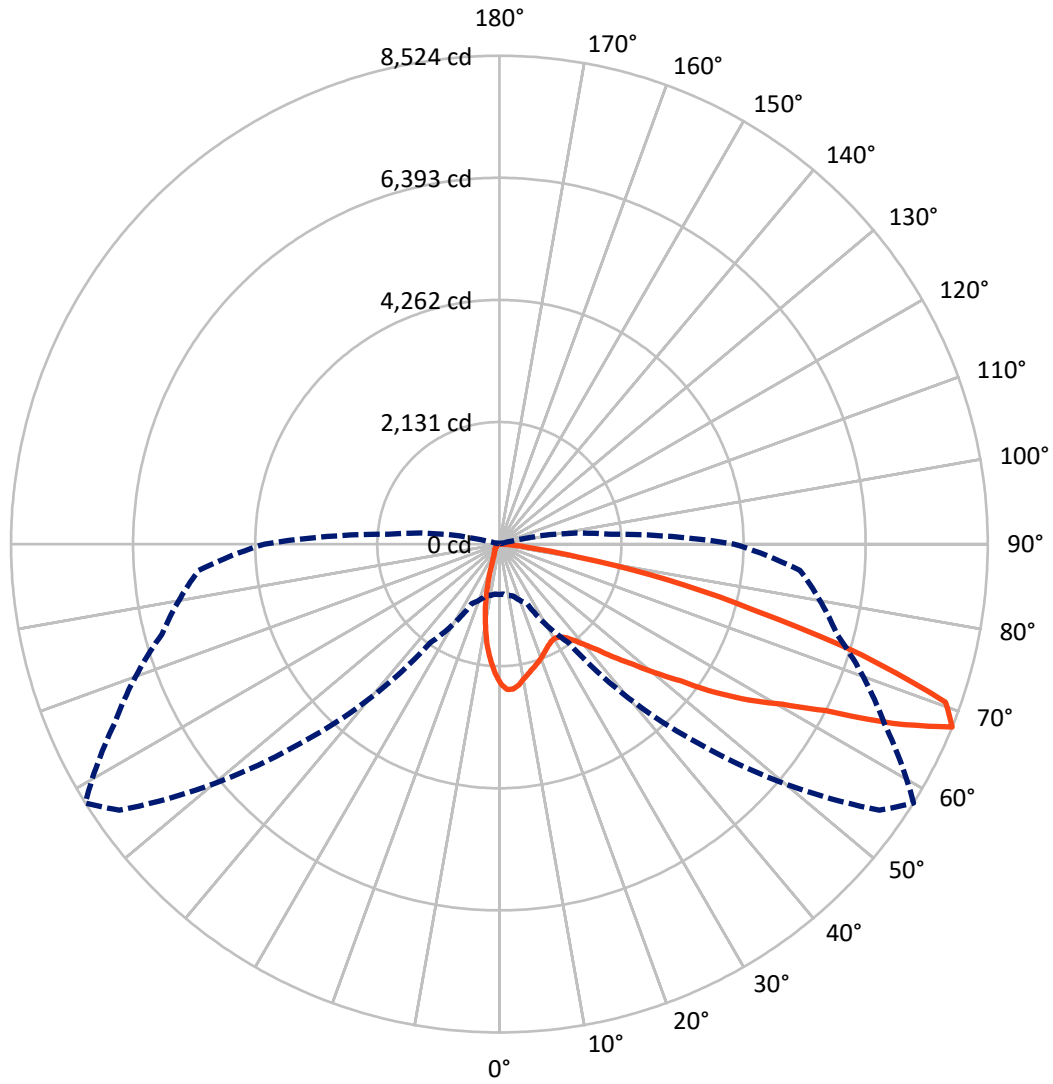
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.3 fc  
 Type III - Short - N/A

REPORT NUMBER: P634295  
CATALOG NUMBER: GWS-SA3B-740-U-SL3-W-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P634295  
 CATALOG NUMBER: GWS-SA3B-740-U-SL3-W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	823.0	0.0	823.0
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	7601.4	0.0	7601.4
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	8424.4	0.0	8424.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	197.5	2.3
10°-20°	411.0	4.9
20°-30°	554.3	6.6
30°-40°	778.9	9.2
40°-50°	1203.0	14.3
50°-60°	1923.7	22.8
60°-70°	2277.8	27.0
70°-80°	1007.7	12.0
80°-90°	70.4	0.8
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°	8424.4	100.0
0°-180°	8424.4	100.0

**Coefficient of Utilization**

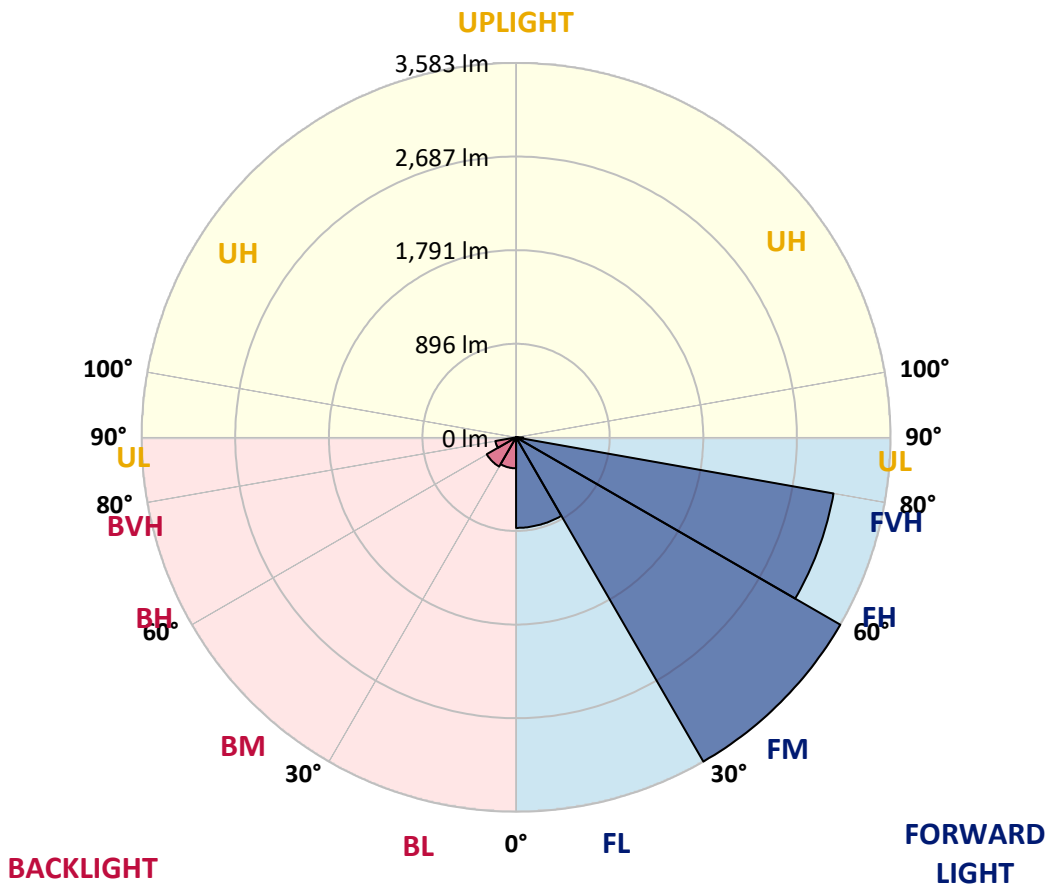


REPORT NUMBER: P634295  
 CATALOG NUMBER: GWS-SA3B-740-U-SL3-W-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	866.7	10.3			
FM (30°-60°)	3582.7	42.5			
FH (60°-80°)	3084.6	36.6			G2/5000
FVH (80°-90°)	67.4	0.8			G1/100
BL (0°-30°)	296.2	3.5	B1/500		
BM (30°-60°)	322.9	3.8	B1/1000		
BH (60°-80°)	200.9	2.4	B1/500		G1/500
BVH (80°-90°)	3.0	0.0			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 III Short





REPORT NUMBER: P634295

CATALOG NUMBER: GWS-SA3B-740-U-SL3-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2430.0	2430.0	2430.0	2430.0	2430.0	2430.0	2430.0	2430.0	2430.0	2430.0	2430.0
2.5°	2556.0	2560.5	2566.4	2573.9	2572.4	2565.7	2557.5	2538.9	2526.9	2489.6	2444.2
5°	2474.0	2473.2	2488.2	2502.3	2527.7	2541.1	2559.7	2542.6	2536.6	2491.9	2418.1
7.5°	2313.7	2321.9	2339.0	2361.4	2397.9	2437.4	2482.2	2477.0	2494.9	2465.0	2373.3
10°	2156.3	2151.9	2178.7	2212.3	2268.2	2318.9	2383.8	2383.0	2430.0	2427.0	2322.6
12.5°	2018.4	2017.7	2038.5	2076.6	2142.2	2213.0	2301.0	2303.2	2361.4	2385.3	2279.4
15°	1902.1	1903.6	1923.7	1963.2	2031.1	2117.6	2219.7	2238.4	2304.0	2352.4	2236.9
17.5°	1819.3	1820.1	1832.0	1866.3	1932.7	2025.1	2148.1	2173.5	2257.8	2327.8	2202.6
20°	1781.3	1778.3	1780.6	1797.7	1849.2	1933.4	2075.1	2107.9	2215.3	2310.7	2171.3
22.5°	1786.5	1782.0	1771.6	1769.4	1792.5	1856.6	1997.5	2037.8	2169.0	2300.3	2142.9
25°	1832.7	1823.1	1808.1	1785.8	1776.8	1808.9	1929.7	1971.4	2125.8	2301.0	2121.3
27.5°	1903.6	1893.1	1874.5	1844.7	1809.6	1796.2	1883.4	1923.0	2095.2	2318.1	2110.9
30°	1993.8	1985.6	1967.7	1931.9	1884.9	1829.8	1873.8	1906.6	2080.3	2353.2	2115.3
32.5°	2100.4	2094.5	2079.5	2046.7	1993.1	1908.8	1906.6	1931.9	2092.2	2403.9	2132.5
35°	2203.3	2205.6	2206.3	2188.4	2131.0	2028.8	1996.8	2005.7	2141.4	2479.9	2171.3
37.5°	2314.4	2309.2	2336.0	2348.7	2293.5	2184.7	2136.2	2137.0	2235.4	2592.5	2244.3
40°	2398.7	2400.2	2458.3	2510.5	2487.4	2382.3	2312.9	2312.2	2380.0	2746.9	2362.1
42.5°	2477.7	2487.4	2573.2	2662.6	2694.7	2601.5	2551.5	2532.9	2582.8	2955.7	2538.9
45°	2562.0	2576.1	2696.2	2823.7	2907.9	2852.8	2813.2	2820.7	2826.7	3198.7	2776.7
47.5°	2660.4	2669.3	2817.7	2997.4	3154.7	3140.6	3142.8	3133.9	3130.9	3505.2	3091.4
50°	2779.7	2800.6	2971.3	3186.1	3400.8	3494.7	3526.1	3529.8	3481.3	3839.2	3417.2
52.5°	3033.2	3058.6	3204.7	3392.6	3669.2	3866.8	3994.3	3969.0	3894.4	4162.8	3774.4
55°	3332.2	3351.6	3492.5	3687.1	3997.3	4274.7	4577.4	4567.0	4384.3	4503.6	4068.1
57.5°	3360.5	3382.2	3600.6	3898.9	4418.6	4778.7	5097.1	5130.6	4863.0	4745.2	4330.6
60°	3042.2	3086.1	3384.4	3785.5	4579.6	5456.5	5666.8	5673.5	5214.2	4990.5	4651.2
62.5°	2438.2	2459.1	2759.6	3283.0	4331.3	5851.7	6536.9	6395.2	5665.3	5370.0	5159.0
65°	1278.0	1363.0	1624.7	2204.1	3512.6	5713.7	7583.8	7545.0	6476.5	5913.6	5554.2
67.5°	876.9	876.1	938.0	1149.0	2094.5	4919.6	8097.5	8524.0	7414.5	6100.0	5267.8
70°	667.3	669.6	724.7	861.9	1084.9	3274.8	7533.8	8263.0	7589.0	5538.5	4260.5
72.5°	442.9	447.4	539.1	696.4	866.4	1605.3	5854.6	6611.5	6385.5	4448.4	2998.9
75°	264.7	268.4	334.0	506.3	770.2	898.5	3719.9	4570.7	4395.5	3066.0	1607.6
77.5°	108.9	111.8	171.5	315.4	563.7	697.9	2057.2	2990.7	2632.8	1219.1	439.2
80°	45.5	47.0	82.8	220.7	406.4	437.7	952.9	1405.5	1078.9	262.5	134.2
82.5°	16.4	17.1	30.6	121.5	252.8	329.6	480.9	555.5	304.2	85.7	72.3
85°	0.7	0.7	7.5	41.0	96.2	93.2	275.1	266.2	100.7	35.8	43.2
87.5°	0.0	0.0	0.7	0.7	1.5	3.7	26.1	46.2	21.6	8.9	18.6
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: P634295

CATALOG NUMBER: GWS-SA3B-740-U-SL3-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2430.0	2430.0	2430.0	2430.0	2430.0	2430.0	2430.0	2430.0	2430.0	2430.0	2430.0
2.5°	2414.3	2374.8	2331.6	2291.3	2227.2	2189.2	2142.2	2121.3	2091.5	2084.0	2088.5
5°	2365.1	2297.3	2193.6	2099.7	1978.1	1880.5	1782.0	1740.3	1686.6	1650.8	1635.9
7.5°	2295.8	2207.1	2045.2	1874.5	1707.5	1529.3	1393.6	1304.1	1222.8	1178.1	1169.1
10°	2225.7	2110.1	1878.2	1633.7	1374.9	1161.7	978.3	842.6	732.2	682.2	643.5
12.5°	2153.4	2009.5	1708.2	1389.1	1088.6	797.8	571.1	439.2	360.1	328.8	334.0
15°	2087.0	1912.5	1539.7	1144.5	766.5	481.7	315.4	266.2	247.5	241.6	240.8
17.5°	2023.6	1820.8	1372.0	906.7	505.5	295.3	241.6	229.7	224.4	221.5	221.5
20°	1966.2	1732.8	1207.9	683.0	326.6	234.1	218.5	212.5	208.0	205.8	205.8
22.5°	1912.5	1647.8	1047.6	483.2	240.8	210.3	200.6	194.6	189.4	186.4	186.4
25°	1864.1	1571.0	894.8	332.5	207.3	192.4	181.9	175.2	166.3	161.1	161.1
27.5°	1829.0	1502.4	747.9	242.3	187.2	173.0	161.1	152.1	142.4	136.4	135.0
30°	1808.1	1444.3	599.5	199.1	168.5	154.3	140.9	129.7	118.6	112.6	111.8
32.5°	1796.2	1390.6	463.8	173.7	152.9	136.4	121.5	109.6	98.4	91.7	91.0
35°	1800.7	1348.8	347.5	156.6	137.9	120.8	104.4	92.5	82.8	76.8	75.3
37.5°	1839.5	1330.2	261.0	143.2	125.3	107.4	90.2	79.0	70.1	65.6	64.9
40°	1914.8	1333.9	205.0	132.7	114.8	93.9	77.5	67.1	60.4	56.7	55.9
42.5°	2031.8	1365.2	169.3	123.8	103.6	82.0	67.1	58.9	52.2	48.5	47.7
45°	2206.3	1430.1	147.6	113.3	91.7	70.8	58.2	50.7	44.7	40.3	39.5
47.5°	2459.1	1542.7	133.5	103.6	81.3	61.1	50.0	42.5	37.3	33.6	32.8
50°	2728.2	1677.7	121.5	93.9	72.3	52.9	42.5	35.0	30.6	26.8	26.1
52.5°	3015.3	1823.1	112.6	85.0	64.1	45.5	35.8	29.1	24.6	20.9	20.1
55°	3291.2	1969.2	102.2	79.0	54.4	38.8	29.8	23.9	19.4	16.4	16.4
57.5°	3559.6	2103.4	91.0	69.3	44.7	32.8	24.6	19.4	15.7	13.4	12.7
60°	3880.2	2289.1	78.3	58.9	37.3	27.6	20.1	15.7	12.7	10.4	10.4
62.5°	4356.7	2482.2	67.1	49.2	31.3	23.1	16.4	12.7	10.4	8.9	8.2
65°	4512.5	2377.8	56.7	40.3	25.4	18.6	13.4	11.2	8.9	8.2	7.5
67.5°	4096.5	1949.1	47.0	32.8	20.9	15.7	11.9	9.7	8.2	7.5	6.7
70°	3196.5	1383.1	36.5	24.6	17.1	12.7	10.4	8.9	7.5	6.7	6.7
72.5°	2174.2	818.0	29.1	18.6	14.2	11.2	8.9	8.2	7.5	6.7	6.0
75°	1070.7	290.8	22.4	14.2	11.2	9.7	8.2	7.5	6.7	6.0	6.0
77.5°	288.6	80.5	17.1	11.2	8.9	7.5	7.5	7.5	6.7	5.2	5.2
80°	97.7	33.6	12.7	8.2	7.5	6.0	5.2	6.7	6.0	5.2	4.5
82.5°	53.7	16.4	8.9	6.7	5.2	4.5	4.5	4.5	4.5	3.7	3.7
85°	34.3	8.9	6.0	5.2	5.2	3.7	3.0	3.0	2.2	2.2	2.2
87.5°	15.7	5.2	5.2	4.5	4.5	3.7	2.2	1.5	0.7	0.7	0.7
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)