

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: P632370

Luminaire Tested: GWS-SA2C-750-U-SL3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632370  
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-SA2C-750-U-SL3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

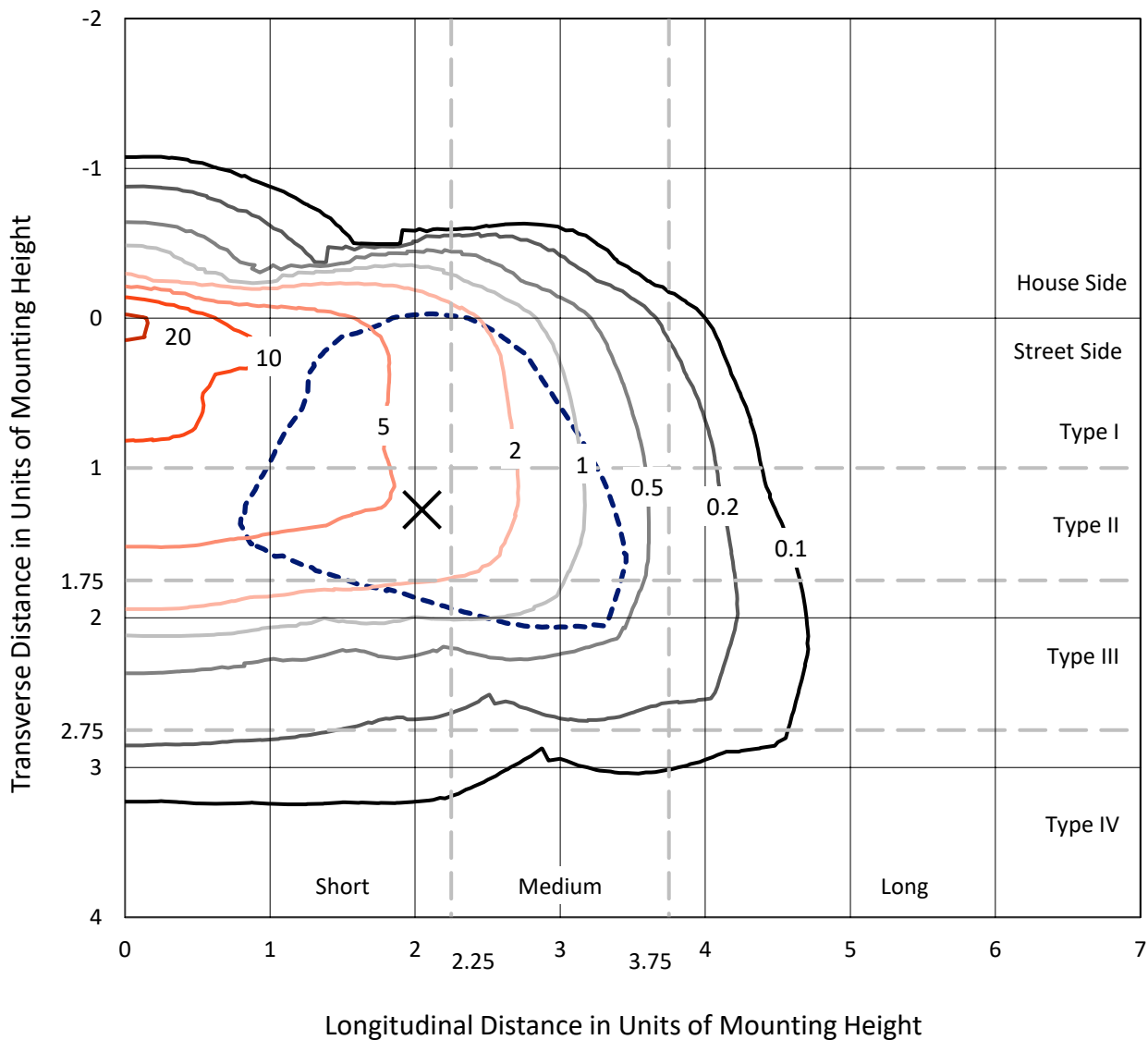
Lumens per Lamp: N/A  
Luminaire Lumens: 7667.8 lumens  
Efficiency: N/A  
Efficacy: 121.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): 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

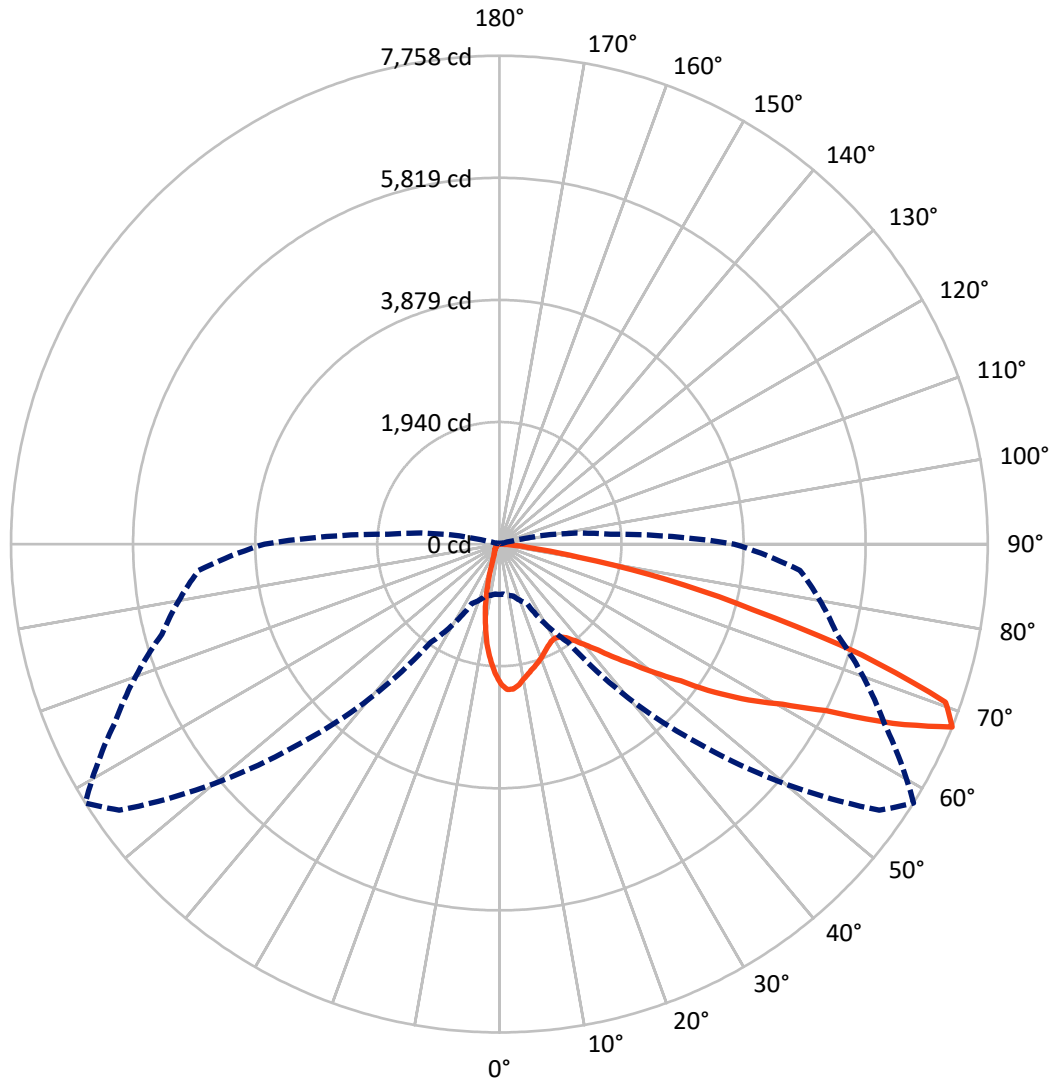
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.1 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
<b>House Side</b>	Lumens	749.1	0.0	749.1
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	6918.7	0.0	6918.7
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	7667.8	0.0	7667.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.7	2.3
10°-20°	374.1	4.9
20°-30°	504.5	6.6
30°-40°	709.0	9.2
40°-50°	1094.9	14.3
50°-60°	1751.0	22.8
60°-70°	2073.3	27.0
70°-80°	917.2	12.0
80°-90°	64.1	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°	7667.8	100.0
0°-180°	7667.8	100.0

**Coefficient of Utilization**



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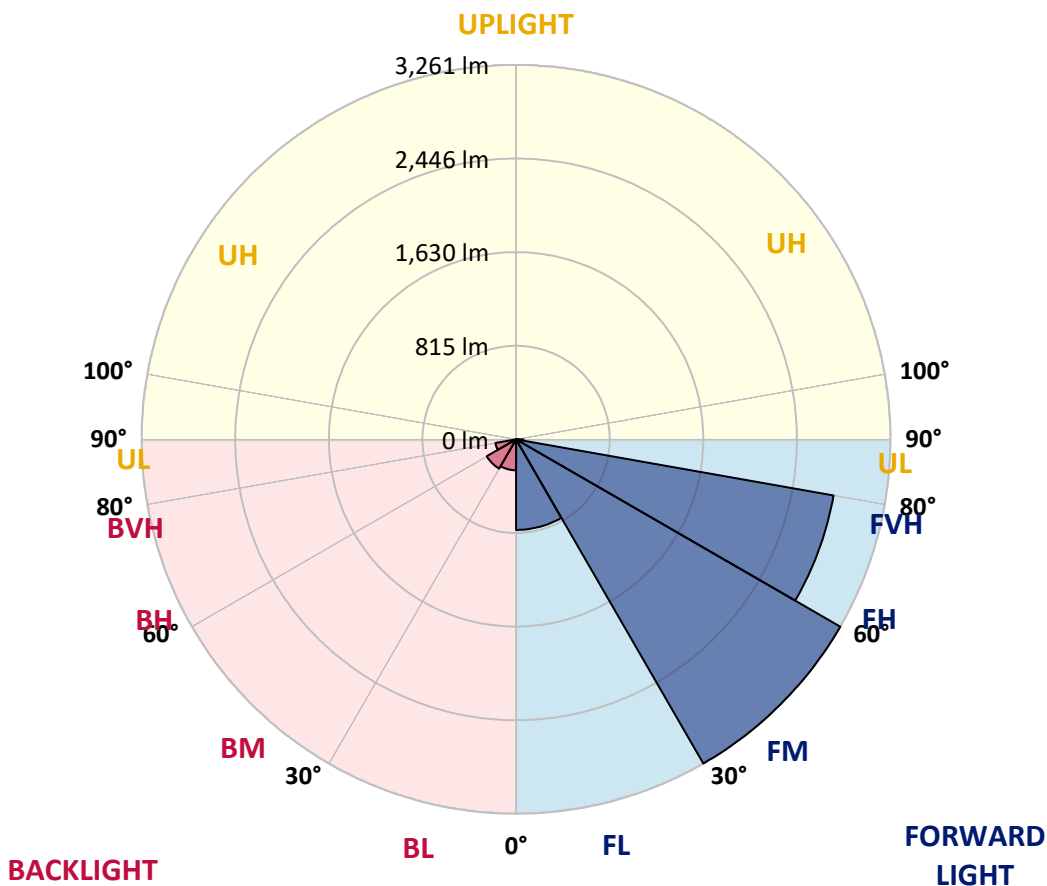
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	788.8	10.3			
FM (30°-60°)	3261.0	42.5			
FH (60°-80°)	2807.5	36.6			G2/5000
FVH (80°-90°)	61.4	0.8			G1/100
BL (0°-30°)	269.6	3.5	B1/500		
BM (30°-60°)	293.9	3.8	B1/1000		
BH (60°-80°)	182.9	2.4	B1/500		G1/500
BVH (80°-90°)	2.7	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8
2.5°	2326.4	2330.5	2335.9	2342.7	2341.4	2335.3	2327.8	2310.8	2300.0	2266.0	2224.6
5°	2251.8	2251.1	2264.7	2277.6	2300.7	2312.9	2329.8	2314.2	2308.8	2268.1	2200.9
7.5°	2105.9	2113.3	2129.0	2149.3	2182.6	2218.5	2259.3	2254.5	2270.8	2243.7	2160.2
10°	1962.7	1958.6	1983.0	2013.6	2064.5	2110.6	2169.7	2169.0	2211.8	2209.0	2114.0
12.5°	1837.1	1836.5	1855.5	1890.1	1949.8	2014.3	2094.3	2096.4	2149.3	2171.0	2074.7
15°	1731.3	1732.6	1750.9	1786.9	1848.7	1927.4	2020.4	2037.3	2097.1	2141.2	2036.0
17.5°	1655.9	1656.6	1667.5	1698.7	1759.1	1843.2	1955.2	1978.3	2055.0	2118.8	2004.8
20°	1621.3	1618.6	1620.6	1636.2	1683.1	1759.8	1888.7	1918.6	2016.3	2103.2	1976.3
22.5°	1626.1	1622.0	1612.5	1610.5	1631.5	1689.9	1818.1	1854.8	1974.2	2093.7	1950.5
25°	1668.1	1659.3	1645.8	1625.4	1617.2	1646.4	1756.4	1794.4	1934.9	2094.3	1930.8
27.5°	1732.6	1723.1	1706.2	1679.0	1647.1	1634.9	1714.3	1750.3	1907.0	2110.0	1921.3
30°	1814.7	1807.3	1791.0	1758.4	1715.7	1665.4	1705.5	1735.3	1893.5	2141.9	1925.4
32.5°	1911.8	1906.4	1892.8	1862.9	1814.1	1737.4	1735.3	1758.4	1904.3	2188.0	1941.0
35°	2005.4	2007.5	2008.2	1991.9	1939.6	1846.6	1817.5	1825.6	1949.1	2257.2	1976.3
37.5°	2106.6	2101.8	2126.2	2137.8	2087.6	1988.5	1944.4	1945.0	2034.6	2359.7	2042.8
40°	2183.2	2184.6	2237.5	2285.0	2264.0	2168.3	2105.2	2104.5	2166.3	2500.2	2150.0
42.5°	2255.2	2264.0	2342.1	2423.5	2452.7	2367.8	2322.4	2305.4	2350.9	2690.2	2310.8
45°	2331.9	2344.8	2454.0	2570.1	2646.8	2596.6	2560.6	2567.4	2572.8	2911.5	2527.3
47.5°	2421.5	2429.6	2564.7	2728.2	2871.4	2858.5	2860.6	2852.4	2849.7	3190.4	2813.7
50°	2530.0	2549.0	2704.5	2899.9	3095.4	3180.9	3209.4	3212.8	3168.7	3494.4	3110.3
52.5°	2760.8	2783.9	2916.9	3087.9	3339.7	3519.5	3635.6	3612.5	3544.6	3789.0	3435.4
55°	3032.9	3050.6	3178.8	3356.0	3638.3	3890.8	4166.3	4156.8	3990.5	4099.1	3702.8
57.5°	3058.7	3078.4	3277.2	3548.7	4021.7	4349.5	4639.3	4669.9	4426.2	4319.0	3941.7
60°	2768.9	2809.0	3080.4	3445.6	4168.3	4966.4	5157.8	5163.9	4745.9	4542.3	4233.5
62.5°	2219.2	2238.2	2511.7	2988.1	3942.3	5326.1	5949.8	5820.9	5156.5	4887.7	4695.6
65°	1163.2	1240.6	1478.8	2006.1	3197.2	5200.6	6902.7	6867.4	5894.8	5382.5	5055.3
67.5°	798.1	797.4	853.8	1045.8	1906.4	4477.8	7370.2	7758.4	6748.6	5552.1	4794.7
70°	607.4	609.4	659.7	784.5	987.5	2980.7	6857.2	7520.9	6907.4	5041.1	3877.9
72.5°	403.1	407.2	490.7	633.9	788.6	1461.2	5328.8	6017.7	5812.0	4048.9	2729.6
75°	240.9	244.3	304.0	460.8	701.1	817.8	3385.8	4160.2	4000.7	2790.7	1463.2
77.5°	99.1	101.8	156.1	287.1	513.1	635.2	1872.4	2722.1	2396.3	1109.6	399.7
80°	41.4	42.8	75.3	200.9	369.9	398.4	867.3	1279.3	982.0	238.9	122.2
82.5°	14.9	15.6	27.8	110.6	230.1	300.0	437.7	505.6	276.9	78.0	65.8
85°	0.7	0.7	6.8	37.3	87.5	84.8	250.4	242.3	91.6	32.6	39.4
87.5°	0.0	0.0	0.7	0.7	1.4	3.4	23.8	42.1	19.7	8.1	17.0
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°	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8	2211.8
2.5°	2197.5	2161.5	2122.2	2085.5	2027.2	1992.5	1949.8	1930.8	1903.6	1896.9	1900.9
5°	2152.7	2091.0	1996.6	1911.1	1800.5	1711.6	1622.0	1584.0	1535.1	1502.6	1489.0
7.5°	2089.6	2008.8	1861.6	1706.2	1554.1	1391.9	1268.4	1187.0	1113.0	1072.3	1064.1
10°	2025.8	1920.6	1709.5	1486.9	1251.4	1057.4	890.4	766.9	666.4	621.0	585.7
12.5°	1960.0	1829.0	1554.8	1264.3	990.8	726.2	519.9	399.7	327.8	299.3	304.0
15°	1899.6	1740.8	1401.4	1041.7	697.7	438.4	287.1	242.3	225.3	219.9	219.2
17.5°	1841.9	1657.3	1248.7	825.3	460.1	268.7	219.9	209.0	204.3	201.6	201.6
20°	1789.6	1577.2	1099.4	621.7	297.3	213.1	198.8	193.4	189.3	187.3	187.3
22.5°	1740.8	1499.8	953.5	439.8	219.2	191.4	182.6	177.1	172.4	169.7	169.7
25°	1696.7	1429.9	814.4	302.7	188.7	175.1	165.6	159.5	151.3	146.6	146.6
27.5°	1664.8	1367.5	680.7	220.6	170.3	157.4	146.6	138.4	129.6	124.2	122.8
30°	1645.8	1314.6	545.6	181.2	153.4	140.5	128.3	118.1	107.9	102.5	101.8
32.5°	1634.9	1265.7	422.1	158.1	139.1	124.2	110.6	99.8	89.6	83.5	82.8
35°	1639.0	1227.7	316.3	142.5	125.6	109.9	95.0	84.2	75.3	69.9	68.5
37.5°	1674.3	1210.7	237.5	130.3	114.0	97.7	82.1	71.9	63.8	59.7	59.0
40°	1742.8	1214.1	186.6	120.8	104.5	85.5	70.6	61.1	55.0	51.6	50.9
42.5°	1849.3	1242.6	154.1	112.7	94.3	74.7	61.1	53.6	47.5	44.1	43.4
45°	2008.2	1301.7	134.4	103.2	83.5	64.5	52.9	46.1	40.7	36.6	36.0
47.5°	2238.2	1404.1	121.5	94.3	74.0	55.7	45.5	38.7	33.9	30.5	29.9
50°	2483.2	1527.0	110.6	85.5	65.8	48.2	38.7	31.9	27.8	24.4	23.8
52.5°	2744.5	1659.3	102.5	77.4	58.4	41.4	32.6	26.5	22.4	19.0	18.3
55°	2995.6	1792.3	93.0	71.9	49.5	35.3	27.1	21.7	17.6	14.9	14.9
57.5°	3239.9	1914.5	82.8	63.1	40.7	29.9	22.4	17.6	14.3	12.2	11.5
60°	3531.7	2083.5	71.3	53.6	33.9	25.1	18.3	14.3	11.5	9.5	9.5
62.5°	3965.4	2259.3	61.1	44.8	28.5	21.0	14.9	11.5	9.5	8.1	7.5
65°	4107.3	2164.2	51.6	36.6	23.1	17.0	12.2	10.2	8.1	7.5	6.8
67.5°	3728.6	1774.0	42.8	29.9	19.0	14.3	10.9	8.8	7.5	6.8	6.1
70°	2909.4	1258.9	33.3	22.4	15.6	11.5	9.5	8.1	6.8	6.1	6.1
72.5°	1979.0	744.5	26.5	17.0	12.9	10.2	8.1	7.5	6.8	6.1	5.4
75°	974.6	264.7	20.4	12.9	10.2	8.8	7.5	6.8	6.1	5.4	5.4
77.5°	262.6	73.3	15.6	10.2	8.1	6.8	6.8	6.8	6.1	4.8	4.8
80°	88.9	30.5	11.5	7.5	6.8	5.4	4.8	6.1	5.4	4.8	4.1
82.5°	48.9	14.9	8.1	6.1	4.8	4.1	4.1	4.1	4.1	3.4	3.4
85°	31.2	8.1	5.4	4.8	4.8	3.4	2.7	2.7	2.0	2.0	2.0
87.5°	14.3	4.8	4.8	4.1	4.1	3.4	2.0	1.4	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)