

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: P635006

Luminaire Tested: GWS-SA3C-830-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635006  
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-SA3C-830-U-SL2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

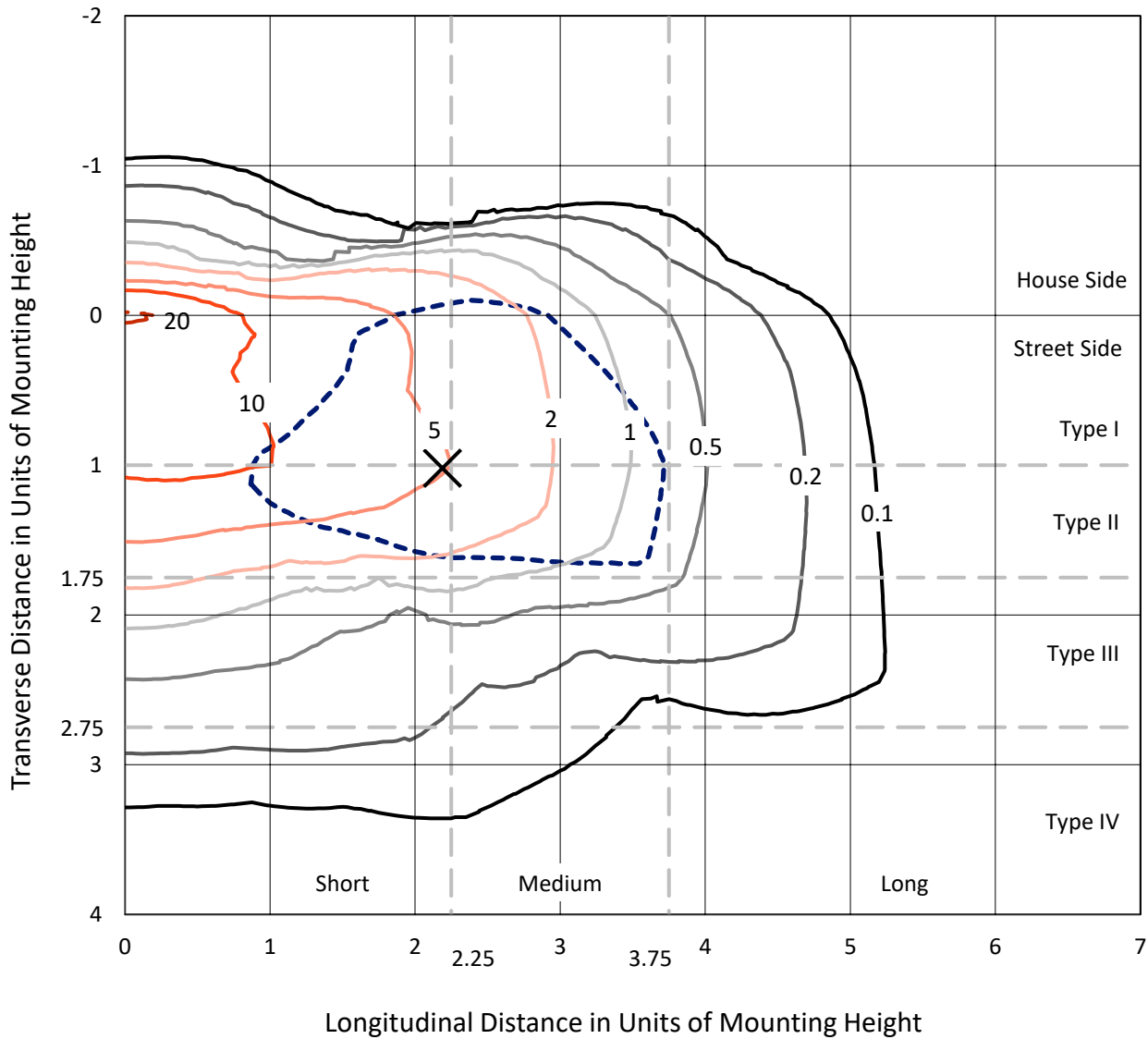
Lumens per Lamp: N/A  
Luminaire Lumens: 8784.3 lumens  
Efficiency: N/A  
Efficacy: 94.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

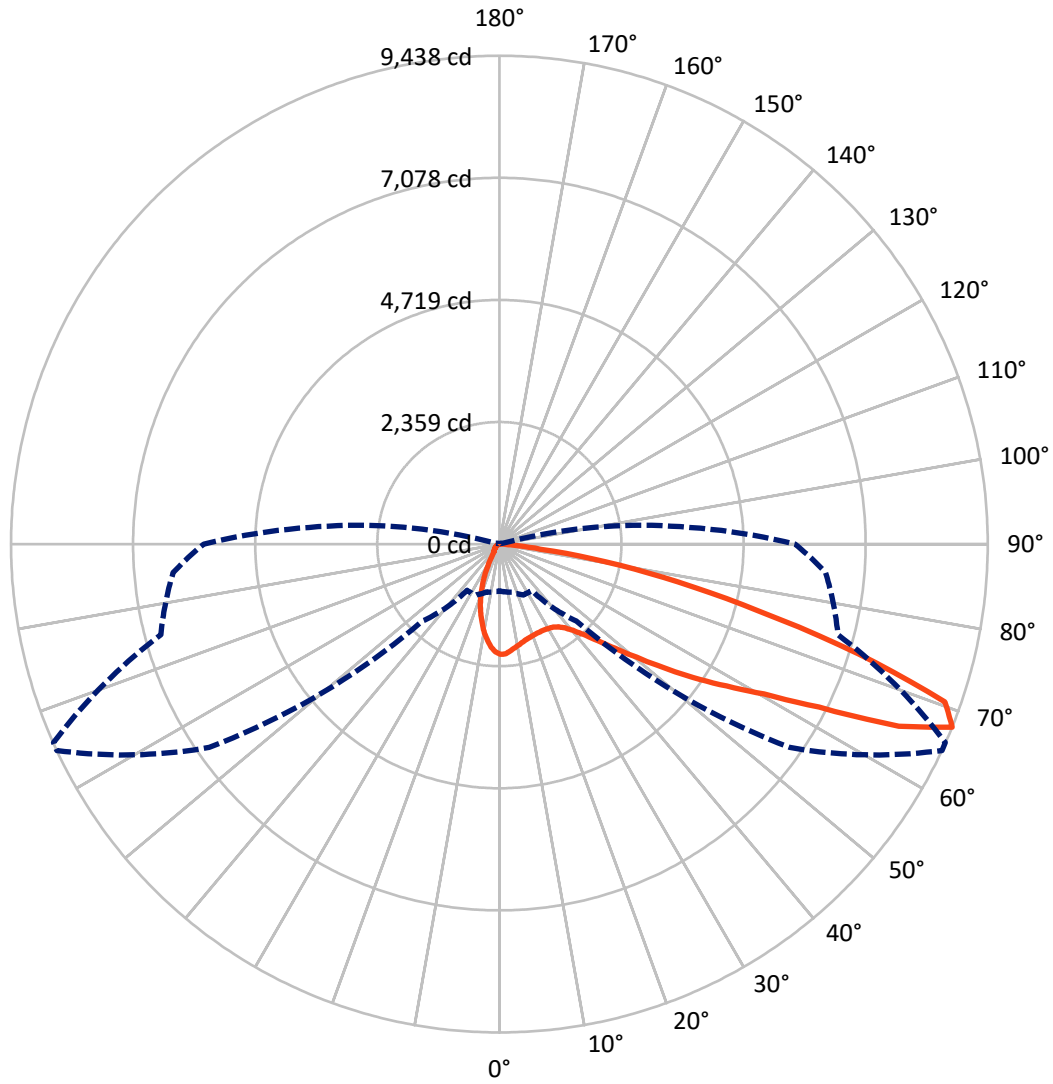
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.3 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
<b>House Side</b>	Lumens	1096.9	0.0	1096.9
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	7687.4	0.0	7687.4
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	8784.3	0.0	8784.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.9	2.0
10°-20°	397.8	4.5
20°-30°	568.4	6.5
30°-40°	826.9	9.4
40°-50°	1295.1	14.7
50°-60°	2020.4	23.0
60°-70°	2219.3	25.3
70°-80°	1181.1	13.4
80°-90°	98.3	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°	8784.3	100.0
0°-180°	8784.3	100.0

**Coefficient of Utilization**



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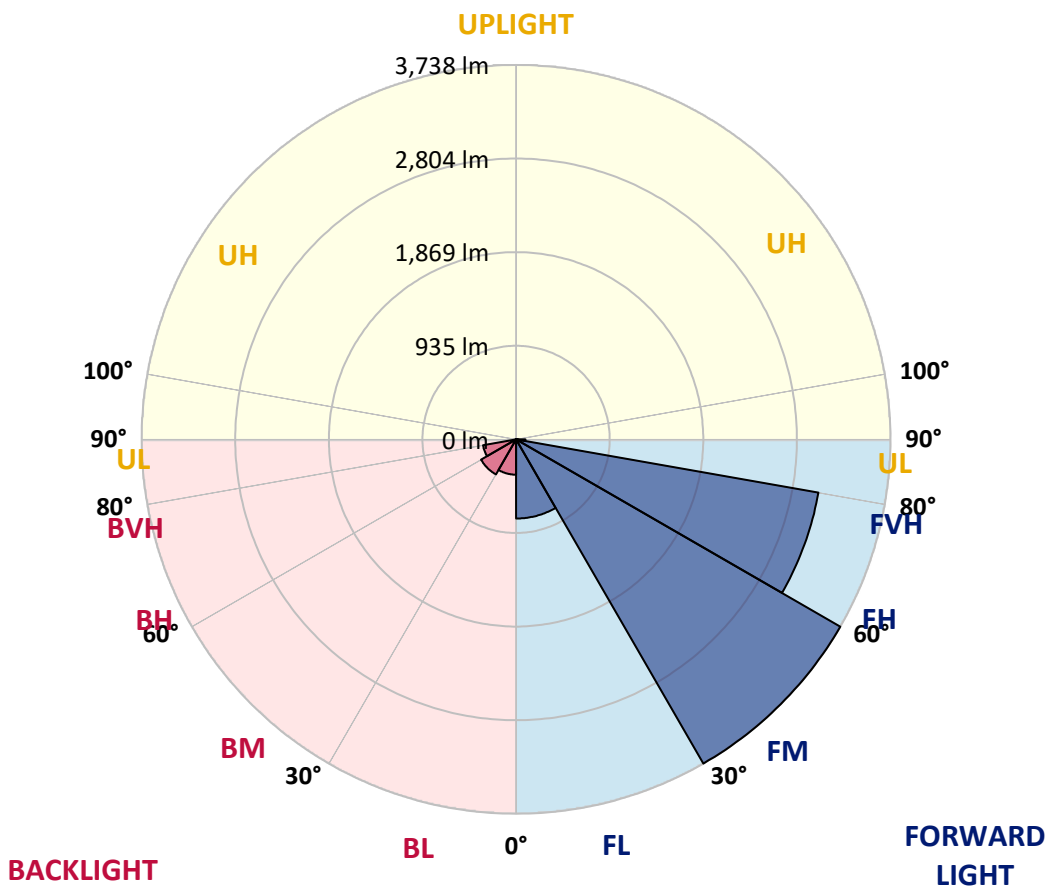
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	790.5	9.0			
FM (30°-60°)	3738.4	42.6			
FH (60°-80°)	3065.4	34.9			G2/5000
FVH (80°-90°)	93.1	1.1			G1/100
BL (0°-30°)	352.6	4.0	B1/500		
BM (30°-60°)	404.0	4.6	B1/1000		
BH (60°-80°)	335.0	3.8	B1/500		G1/500
BVH (80°-90°)	5.3	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°	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5
2.5°	2056.6	2062.9	2054.2	2075.7	2079.6	2103.5	2117.0	2126.5	2125.7	2137.6	2137.6
5°	1935.9	1942.2	1937.4	1960.5	1978.7	2016.1	2047.1	2082.8	2084.4	2120.9	2134.4
7.5°	1833.4	1834.2	1834.2	1862.8	1886.6	1932.7	1978.7	2033.6	2039.9	2096.3	2132.1
10°	1749.2	1751.6	1752.4	1784.9	1811.1	1866.7	1925.5	1991.5	1998.6	2074.9	2130.5
12.5°	1691.2	1692.0	1695.2	1729.3	1757.9	1815.9	1875.5	1950.9	1960.5	2050.2	2123.3
15°	1663.4	1661.8	1663.4	1692.0	1720.6	1776.2	1837.4	1918.4	1928.7	2029.6	2124.1
17.5°	1661.8	1659.4	1657.8	1679.3	1697.5	1746.8	1808.8	1896.9	1908.0	2020.1	2132.9
20°	1684.8	1683.2	1675.3	1684.8	1688.8	1729.3	1790.5	1880.2	1891.4	2018.5	2151.9
22.5°	1745.2	1741.2	1729.3	1720.6	1699.1	1723.0	1777.8	1868.3	1881.0	2022.4	2176.5
25°	1835.0	1833.4	1818.3	1796.8	1742.0	1732.5	1778.6	1868.3	1880.2	2027.2	2202.8
27.5°	1970.0	1960.5	1941.4	1904.1	1825.4	1769.8	1794.5	1873.1	1885.0	2033.6	2224.2
30°	2107.4	2106.6	2100.3	2062.2	1945.4	1841.3	1827.8	1885.8	1896.9	2039.1	2244.1
32.5°	2249.6	2252.0	2267.9	2238.5	2110.6	1947.8	1888.2	1912.0	1920.0	2050.2	2261.5
35°	2384.7	2389.4	2431.5	2441.9	2311.6	2109.0	1986.7	1964.4	1965.2	2074.9	2284.6
37.5°	2514.1	2530.0	2597.6	2647.6	2561.8	2304.4	2128.9	2053.4	2047.1	2124.1	2319.5
40°	2661.1	2691.3	2776.3	2861.3	2834.3	2562.6	2322.7	2190.0	2176.5	2214.7	2382.3
42.5°	2823.9	2856.5	2969.3	3088.5	3101.2	2874.8	2565.0	2389.4	2366.4	2367.2	2499.8
45°	2998.7	3042.4	3173.5	3345.0	3422.1	3222.7	2863.7	2658.7	2635.7	2601.5	2688.9
47.5°	3228.3	3266.4	3392.7	3590.5	3738.3	3596.1	3255.3	3005.1	2963.0	2912.9	2982.8
50°	3426.1	3459.4	3568.3	3816.1	4123.5	4077.4	3699.3	3438.0	3397.5	3312.5	3370.5
52.5°	3469.8	3496.0	3596.1	3874.9	4418.2	4685.1	4243.5	3961.5	3932.9	3775.6	3797.8
55°	3273.6	3313.3	3403.0	3712.8	4495.3	5279.3	4949.6	4551.7	4492.1	4241.1	4280.8
57.5°	2777.9	2848.6	2932.8	3335.5	4286.4	5595.5	5936.2	5176.8	5122.8	4689.1	4689.9
60°	2035.9	2093.1	2149.5	2518.1	3790.7	5574.0	6831.5	5879.0	5780.5	5055.3	5041.8
62.5°	1480.7	1510.1	1509.3	1640.4	2603.1	5207.0	7301.7	6937.1	6707.6	5446.9	5369.9
65°	1164.5	1163.7	1197.9	1240.8	1453.7	4019.5	7359.7	8482.2	8234.3	5972.0	5811.5
67.5°	906.4	923.8	958.0	1084.3	1092.2	2103.5	6849.8	9437.8	9433.0	6773.5	6328.7
70°	699.0	722.9	771.3	955.6	1008.8	1177.2	5125.2	9135.1	9212.2	7131.8	5962.5
72.5°	448.8	447.2	518.7	772.1	969.1	981.0	2834.3	7256.5	7343.8	6459.7	4821.0
75°	251.0	252.6	293.1	472.6	903.2	923.0	1403.6	5174.5	5243.6	5036.2	3704.1
77.5°	98.5	101.7	137.4	248.6	595.8	824.5	834.1	3528.5	3538.9	3121.0	2271.9
80°	39.7	42.1	69.9	154.1	363.0	555.3	595.8	2078.8	2036.7	1208.2	660.9
82.5°	11.9	12.7	27.8	87.4	189.9	394.8	401.9	797.5	753.1	259.8	168.4
85°	0.8	0.8	6.4	27.0	67.5	99.3	267.7	259.8	230.4	65.1	74.7
87.5°	0.0	0.0	0.8	0.8	1.6	3.2	28.6	47.7	48.5	11.9	33.4
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°	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5
2.5°	2137.6	2109.0	2106.6	2084.4	2062.2	2034.4	2001.8	1978.0	1961.3	1931.9	1926.3
5°	2134.4	2096.3	2060.6	1997.0	1926.3	1850.1	1783.3	1721.4	1682.5	1656.2	1645.1
7.5°	2128.1	2079.6	1997.0	1877.1	1758.7	1625.3	1521.2	1425.9	1360.7	1322.6	1305.9
10°	2123.3	2058.2	1923.9	1742.0	1558.5	1374.2	1216.2	1074.8	996.1	934.2	923.8
12.5°	2113.8	2027.2	1830.2	1584.0	1347.2	1102.6	900.8	727.6	607.7	553.7	534.6
15°	2104.3	1994.6	1736.5	1417.1	1116.9	815.0	570.3	403.5	320.9	295.5	293.9
17.5°	2102.7	1965.2	1634.8	1259.1	875.4	533.8	324.9	261.3	243.9	237.5	237.5
20°	2107.4	1940.6	1534.7	1077.2	637.9	324.9	242.3	226.4	216.1	210.5	210.5
22.5°	2112.2	1915.2	1438.6	893.7	423.4	237.5	213.7	200.2	188.3	181.9	178.7
25°	2115.4	1887.4	1332.1	709.4	276.4	206.5	187.5	170.0	155.7	147.8	147.8
27.5°	2114.6	1854.0	1224.9	529.0	214.5	183.5	160.5	142.2	127.9	119.2	119.9
30°	2108.2	1817.5	1113.7	369.4	187.5	160.5	137.4	118.4	104.1	96.9	96.1
32.5°	2103.5	1778.6	985.0	259.8	168.4	140.6	116.8	98.5	86.6	81.0	80.2
35°	2097.9	1740.4	862.7	197.8	151.7	121.5	98.5	83.4	73.9	69.1	69.1
37.5°	2099.5	1700.7	730.0	170.0	135.0	105.6	84.2	71.5	63.5	58.8	58.0
40°	2124.1	1676.9	599.7	154.1	119.9	91.4	73.1	62.0	54.0	49.3	48.5
42.5°	2185.3	1677.7	475.0	142.2	106.4	77.8	63.5	53.2	46.1	40.5	39.7
45°	2307.6	1711.0	364.6	129.5	92.1	67.5	54.8	45.3	38.1	33.4	32.6
47.5°	2507.8	1810.3	276.4	118.4	80.2	58.8	46.9	38.1	31.8	27.8	27.0
50°	2826.3	1989.9	217.7	104.9	67.5	50.8	39.7	31.8	26.2	22.2	21.4
52.5°	3209.2	2259.2	186.7	92.9	58.0	44.5	34.2	26.2	21.4	18.3	17.5
55°	3649.3	2580.9	172.4	81.0	49.3	38.1	27.8	21.4	17.5	15.1	13.5
57.5°	4052.8	2870.8	171.6	69.1	42.1	32.6	23.0	18.3	15.1	11.9	11.1
60°	4446.0	3113.1	161.3	57.2	36.5	27.0	19.9	15.1	12.7	10.3	9.5
62.5°	4802.7	3310.1	135.0	46.1	31.0	22.2	16.7	13.5	11.1	8.7	8.7
65°	5250.7	3561.1	103.3	37.3	25.4	18.3	14.3	11.9	10.3	7.9	7.9
67.5°	5713.8	3693.8	73.9	31.0	20.7	15.9	12.7	11.1	8.7	7.1	7.1
70°	5175.2	3121.0	53.2	25.4	17.5	13.5	11.1	10.3	8.7	7.1	6.4
72.5°	4041.7	2250.4	39.7	19.9	15.1	12.7	10.3	9.5	7.9	6.4	6.4
75°	2997.1	1312.3	30.2	15.9	11.9	10.3	10.3	9.5	7.9	6.4	5.6
77.5°	1629.2	457.6	23.0	12.7	9.5	7.9	8.7	8.7	7.1	5.6	4.8
80°	431.3	125.5	15.9	9.5	7.9	6.4	6.4	7.9	6.4	4.8	4.8
82.5°	125.5	36.5	11.1	7.9	6.4	5.6	5.6	5.6	4.8	4.0	3.2
85°	61.2	13.5	7.9	6.4	5.6	4.8	4.0	4.0	3.2	2.4	2.4
87.5°	27.0	5.6	6.4	5.6	5.6	4.0	3.2	2.4	2.4	1.6	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)