

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: P641798

Luminaire Tested: GWS-SA6B-750-U-T3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641798  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-750-U-T3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

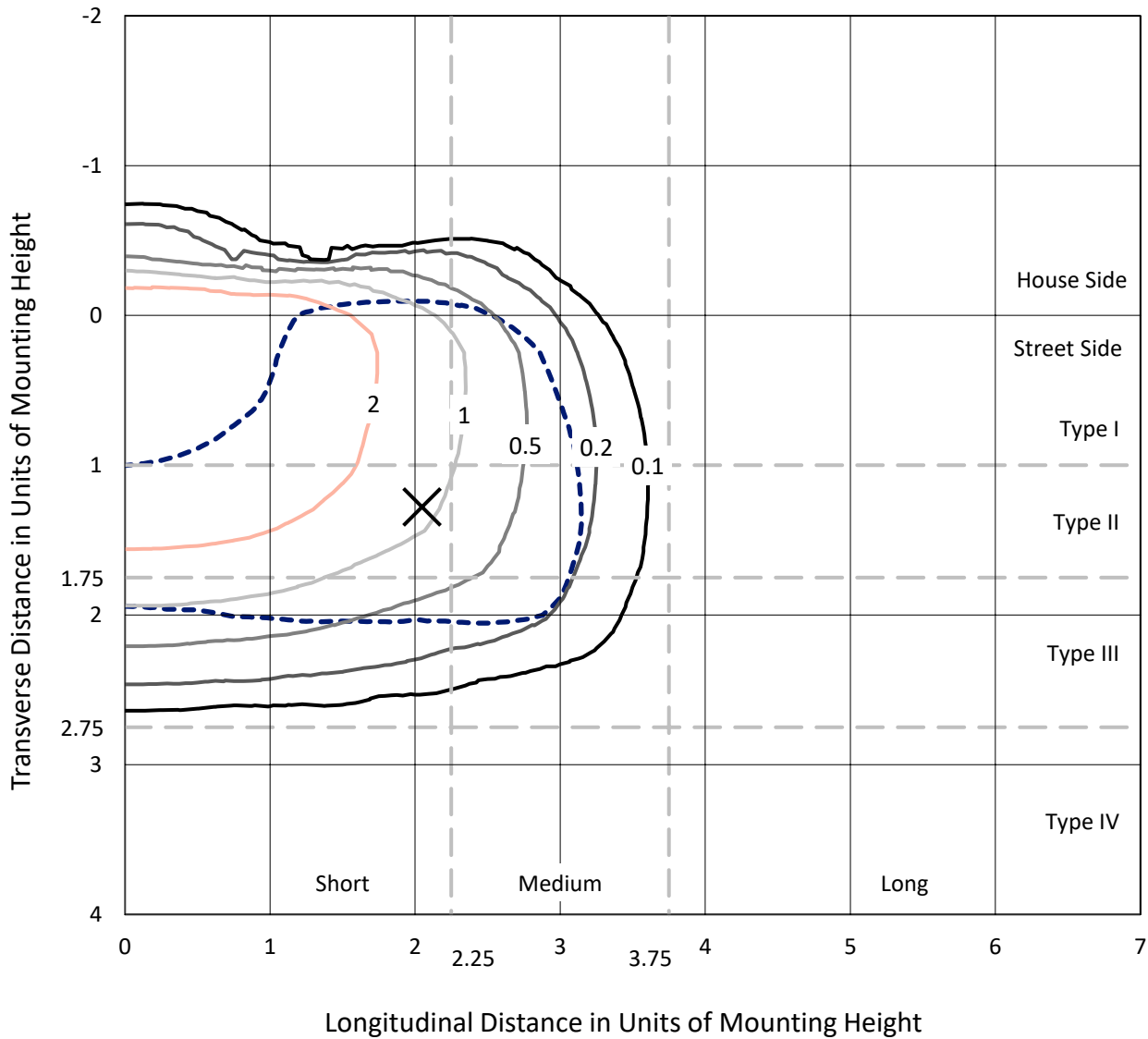
Lumens per Lamp: N/A  
Luminaire Lumens: 15900 lumens  
Efficiency: N/A  
Efficacy: 114.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

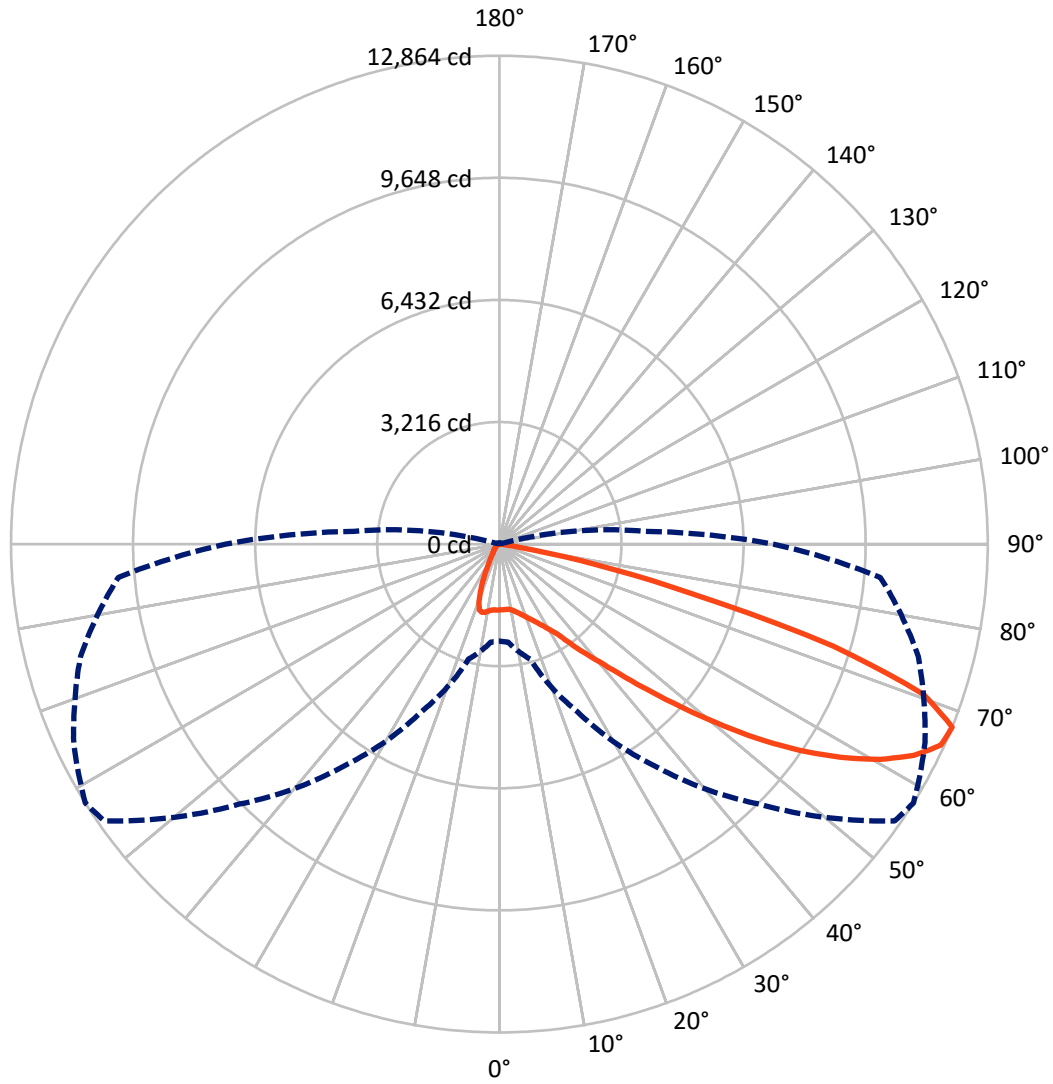
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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	1734.6	0.0	1734.6
	% Fixture	10.9	0.0	10.9
<b>Street Side</b>	Lumens	14165.3	0.0	14165.3
	% Fixture	89.1	0.0	89.1
<b>Total</b>	Lumens	15900.0	0.0	15900.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.8	1.0
10°-20°	457.0	2.9
20°-30°	797.7	5.0
30°-40°	1424.5	9.0
40°-50°	2603.8	16.4
50°-60°	4330.4	27.2
60°-70°	4703.5	29.6
70°-80°	1381.0	8.7
80°-90°	39.3	0.2
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°	15900.0	100.0
0°-180°	15900.0	100.0

**Coefficient of Utilization**



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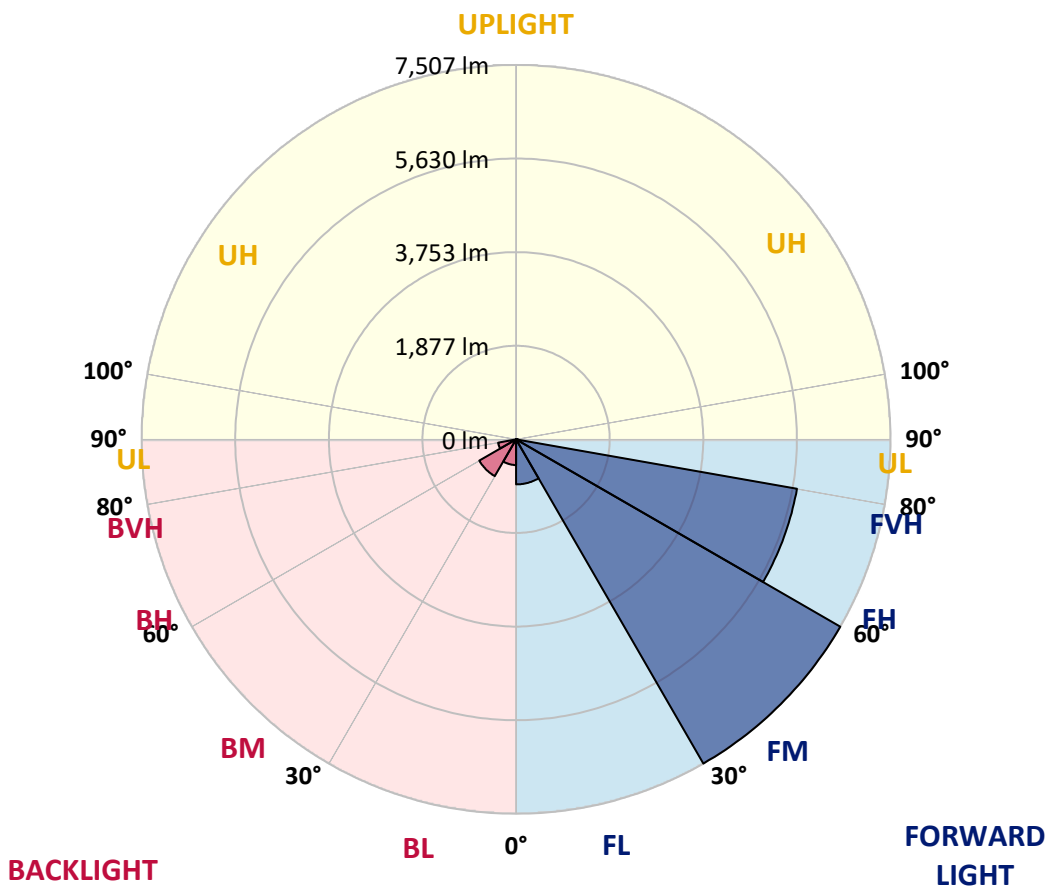
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	902.9	5.7			
FM (30°-60°)	7506.7	47.2			
FH (60°-80°)	5718.4	36.0			G3/7500
FVH (80°-90°)	37.4	0.2			G1/100
BL (0°-30°)	514.5	3.2	B2/1000		
BM (30°-60°)	852.0	5.4	B1/1000		
BH (60°-80°)	366.2	2.3	B1/500		G1/500
BVH (80°-90°)	1.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1732.6	1732.6	1732.6	1732.6	1732.6	1732.6	1732.6	1732.6	1732.6	1732.6	1732.6
2.5°	1700.0	1696.9	1696.9	1709.3	1710.9	1717.1	1731.1	1732.6	1740.4	1737.3	1726.4
5°	1611.5	1613.1	1622.4	1644.1	1662.8	1686.0	1720.2	1728.0	1745.0	1754.4	1748.2
7.5°	1529.2	1530.8	1544.8	1578.9	1614.6	1661.2	1717.1	1732.6	1766.8	1791.6	1793.2
10°	1498.2	1496.6	1510.6	1549.4	1596.0	1661.2	1741.9	1762.1	1813.4	1856.8	1864.6
12.5°	1507.5	1506.0	1519.9	1555.6	1606.9	1689.2	1785.4	1813.4	1878.6	1945.3	1959.3
15°	1544.8	1543.2	1552.5	1582.0	1637.9	1723.3	1841.3	1883.2	1965.5	2046.2	2068.0
17.5°	1656.6	1648.8	1639.5	1642.6	1675.2	1763.7	1912.7	1964.0	2066.4	2162.7	2181.3
20°	1855.3	1835.1	1810.3	1777.6	1762.1	1822.7	1995.0	2054.0	2178.2	2288.4	2291.5
22.5°	2154.9	2147.2	2089.7	1995.0	1928.2	1929.8	2091.3	2159.6	2311.7	2432.8	2415.7
25°	2572.5	2567.9	2479.4	2324.1	2150.3	2091.3	2213.9	2283.8	2470.1	2598.9	2544.6
27.5°	3091.1	3058.5	2954.5	2744.9	2485.6	2300.9	2369.2	2431.3	2637.8	2758.8	2656.4
30°	3542.9	3544.4	3446.6	3227.7	2935.8	2616.0	2558.6	2612.9	2791.5	2918.8	2794.6
32.5°	3977.6	3991.6	3884.4	3687.3	3367.4	3027.4	2830.3	2839.6	2988.6	3126.8	2976.2
35°	4381.2	4392.1	4317.6	4149.9	3851.8	3457.5	3209.1	3204.4	3285.2	3426.4	3229.3
37.5°	4833.0	4843.9	4770.9	4620.3	4340.9	3949.6	3639.1	3632.9	3665.5	3780.4	3555.3
40°	5314.3	5334.5	5253.8	5126.5	4859.4	4528.7	4139.0	4083.2	4050.6	4185.6	3977.6
42.5°	5801.8	5832.9	5804.9	5677.6	5449.4	5176.1	4788.0	4701.1	4631.2	4800.4	4580.0
45°	6407.3	6444.6	6432.1	6334.3	6157.3	5935.3	5568.9	5468.0	5435.4	5592.2	5329.8
47.5°	6989.5	7029.9	7074.9	7053.1	6927.4	6824.9	6418.2	6360.7	6351.4	6519.1	6112.3
50°	7422.7	7459.9	7632.2	7756.4	7841.8	7820.1	7467.7	7382.3	7368.3	7475.4	6938.3
52.5°	7733.2	7768.9	8006.4	8394.5	8708.1	8878.9	8523.4	8504.8	8428.7	8391.4	7711.4
55°	7973.8	8023.5	8273.4	8860.3	9492.2	9871.0	9649.0	9582.2	9386.6	9172.4	8428.7
57.5°	8021.9	8042.1	8394.5	9186.3	10100.8	10714.0	10714.0	10597.6	10220.3	9923.8	9257.7
60°	7590.3	7652.4	8129.1	9159.9	10361.6	11265.2	11597.4	11516.7	11007.4	10642.6	10055.7
62.5°	6632.4	6702.3	7282.9	8528.1	10100.8	11378.5	12266.6	12254.1	11679.7	11237.2	10717.1
65°	5086.1	5137.3	5643.5	7133.9	8998.5	10942.2	12744.7	12778.9	12210.7	11630.0	10945.3
67.5°	2555.5	2591.2	3137.7	4873.4	7132.3	9686.2	12712.1	12864.3	12372.1	11422.0	10074.4
70°	892.7	928.4	1186.1	2091.3	4340.9	7396.3	11612.9	11861.3	11423.5	9749.9	7432.0
72.5°	305.8	322.9	492.2	776.3	1689.2	4384.3	8830.8	9205.0	8420.9	6545.5	4271.0
75°	173.9	184.8	263.9	420.7	708.0	1442.3	5010.0	5239.8	4909.1	3567.7	1757.5
77.5°	118.0	127.3	164.6	239.1	391.2	464.2	2043.1	2572.5	2243.4	1164.4	448.7
80°	69.9	76.1	100.9	141.3	200.3	180.1	437.8	582.2	749.9	347.8	135.1
82.5°	32.6	37.3	65.2	93.2	100.9	76.1	128.9	156.8	211.1	170.8	55.9
85°	0.0	0.0	21.7	38.8	37.3	21.7	35.7	38.8	57.4	85.4	21.7
87.5°	0.0	0.0	0.0	0.0	0.0	1.6	3.1	4.7	9.3	17.1	9.3
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°	1732.6	1732.6	1732.6	1732.6	1732.6	1732.6	1732.6	1732.6	1732.6	1732.6	1732.6
2.5°	1738.8	1728.0	1740.4	1734.2	1740.4	1738.8	1726.4	1718.7	1718.7	1704.7	1700.0
5°	1760.6	1749.7	1752.8	1738.8	1735.7	1728.0	1712.4	1706.2	1706.2	1692.3	1687.6
7.5°	1808.7	1791.6	1788.5	1760.6	1748.2	1726.4	1698.5	1687.6	1686.0	1672.1	1667.4
10°	1884.8	1864.6	1850.6	1814.9	1779.2	1735.7	1676.7	1627.1	1599.1	1561.8	1558.7
12.5°	1977.9	1953.1	1931.3	1877.0	1818.0	1720.2	1546.3	1364.7	1252.9	1164.4	1170.6
15°	2081.9	2058.7	2024.5	1942.2	1821.1	1566.5	1203.2	923.8	787.1	714.2	711.1
17.5°	2195.3	2161.1	2105.2	1993.5	1723.3	1197.0	782.5	552.7	481.3	456.4	450.2
20°	2300.9	2258.9	2189.1	2004.3	1440.7	810.4	489.0	428.5	416.1	408.3	408.3
22.5°	2412.6	2359.8	2255.8	1920.5	1071.2	518.5	416.1	402.1	392.8	381.9	380.4
25°	2526.0	2457.7	2316.4	1701.6	701.7	408.3	389.7	374.2	357.1	340.0	335.3
27.5°	2622.2	2533.7	2363.0	1375.5	450.2	367.9	355.5	329.1	305.8	287.2	284.1
30°	2737.1	2623.8	2383.1	1006.0	354.0	324.5	305.8	277.9	250.0	231.3	225.1
32.5°	2890.8	2766.6	2352.1	655.2	313.6	285.7	256.2	223.6	195.6	175.4	172.3
35°	3129.9	2982.4	2209.3	417.6	284.1	246.9	211.1	177.0	153.7	138.2	135.1
37.5°	3421.8	3285.2	1974.8	313.6	254.6	214.2	172.3	139.7	122.6	111.8	108.7
40°	3854.9	3664.0	1684.5	274.8	225.1	181.6	141.3	114.9	102.5	93.2	90.0
42.5°	4417.0	4111.1	1350.7	250.0	197.2	152.1	114.9	94.7	83.8	77.6	76.1
45°	5073.7	4547.4	998.3	225.1	170.8	125.8	94.7	77.6	69.9	65.2	63.7
47.5°	5745.9	4929.3	689.3	198.7	145.9	104.0	79.2	66.8	60.5	54.3	52.8
50°	6463.2	5252.2	470.4	172.3	124.2	85.4	68.3	60.5	52.8	48.1	46.6
52.5°	6989.5	5371.8	327.6	149.0	105.6	73.0	60.5	54.3	48.1	41.9	40.4
55°	7475.4	5368.7	248.4	125.8	90.0	63.7	54.3	48.1	41.9	37.3	35.7
57.5°	7959.8	5326.7	195.6	107.1	77.6	57.4	48.1	41.9	38.8	32.6	31.1
60°	8273.4	5168.4	152.1	90.0	66.8	49.7	41.9	37.3	32.6	27.9	26.4
62.5°	8439.6	4947.9	116.4	71.4	54.3	43.5	37.3	32.6	27.9	23.3	21.7
65°	8214.4	4556.7	91.6	55.9	41.9	37.3	31.1	26.4	21.7	17.1	15.5
67.5°	7216.2	3842.5	71.4	45.0	32.6	27.9	26.4	21.7	15.5	12.4	10.9
70°	5100.1	2631.5	55.9	34.2	24.8	21.7	20.2	17.1	12.4	9.3	7.8
72.5°	2799.2	1327.4	40.4	24.8	18.6	17.1	15.5	14.0	10.9	7.8	7.8
75°	1077.5	364.8	29.5	17.1	12.4	12.4	10.9	10.9	9.3	6.2	6.2
77.5°	281.0	108.7	18.6	10.9	7.8	7.8	7.8	6.2	6.2	4.7	4.7
80°	90.0	35.7	10.9	7.8	6.2	4.7	4.7	3.1	4.7	3.1	3.1
82.5°	29.5	12.4	6.2	6.2	4.7	3.1	3.1	1.6	1.6	0.0	0.0
85°	10.9	6.2	4.7	3.1	3.1	3.1	1.6	0.0	0.0	0.0	0.0
87.5°	6.2	3.1	3.1	3.1	3.1	1.6	0.0	0.0	0.0	0.0	0.0
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)