

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: P635251

Luminaire Tested: GWS-SA3D-735-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635251  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-735-U-T3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

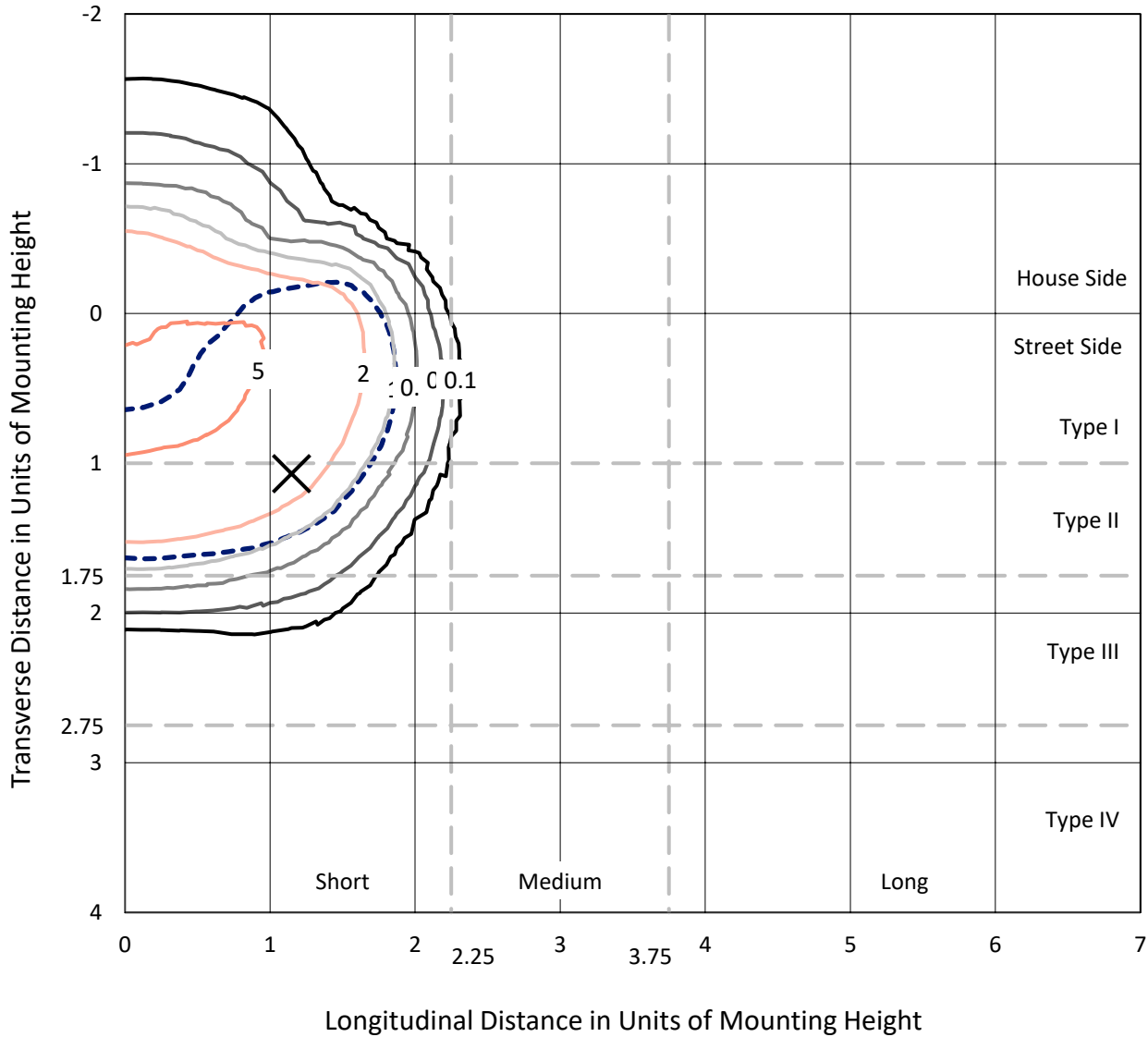
Lumens per Lamp: N/A  
Luminaire Lumens: 10718.2 lumens  
Efficiency: N/A  
Efficacy: 88.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

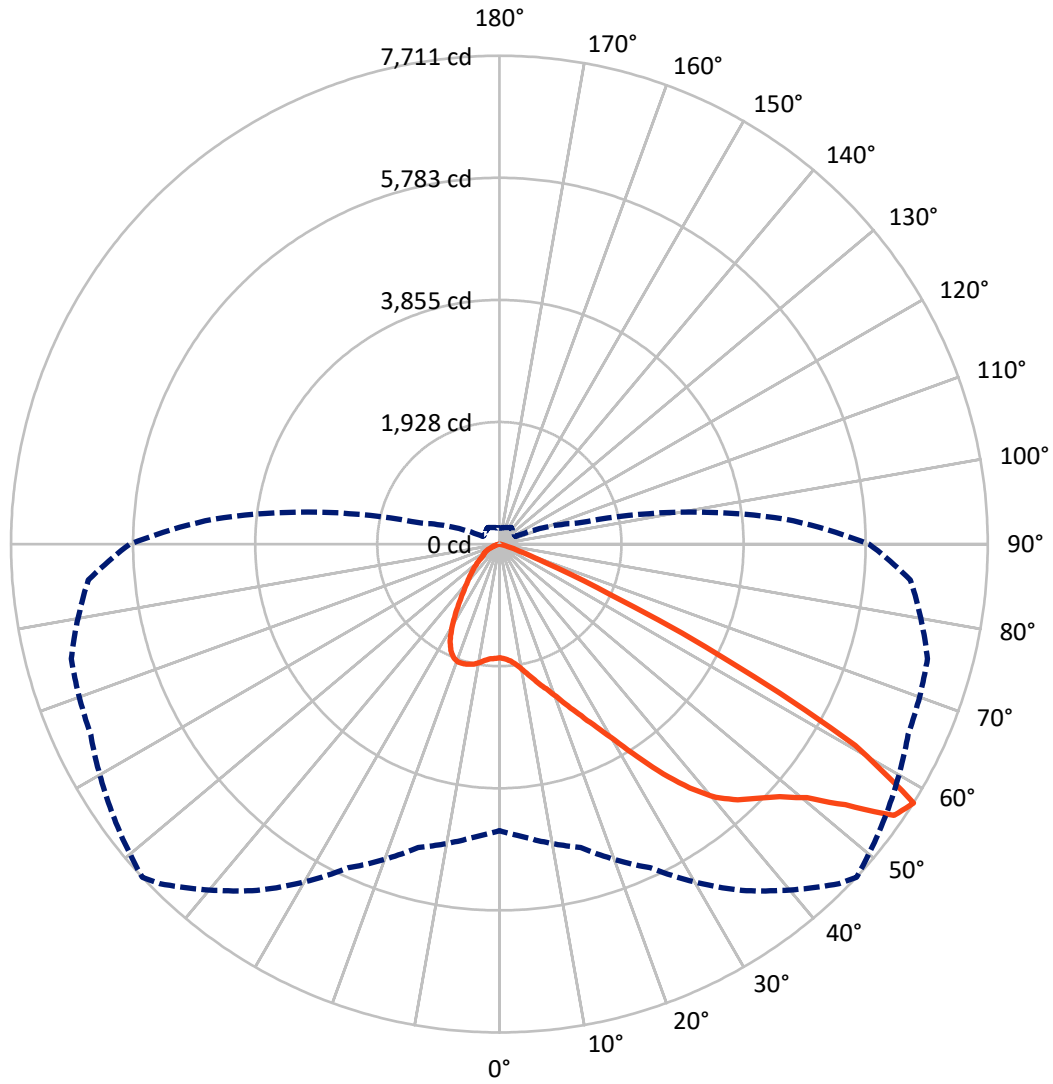
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2325.3	0.0	2325.3
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	8392.9	0.0	8392.9
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	10718.2	0.0	10718.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.5	1.7
10°-20°	602.3	5.6
20°-30°	1118.4	10.4
30°-40°	1790.3	16.7
40°-50°	2617.0	24.4
50°-60°	3229.8	30.1
60°-70°	1079.2	10.1
70°-80°	100.6	0.9
80°-90°	2.1	0.0
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°	10718.2	100.0
0°-180°	10718.2	100.0

**Coefficient of Utilization**



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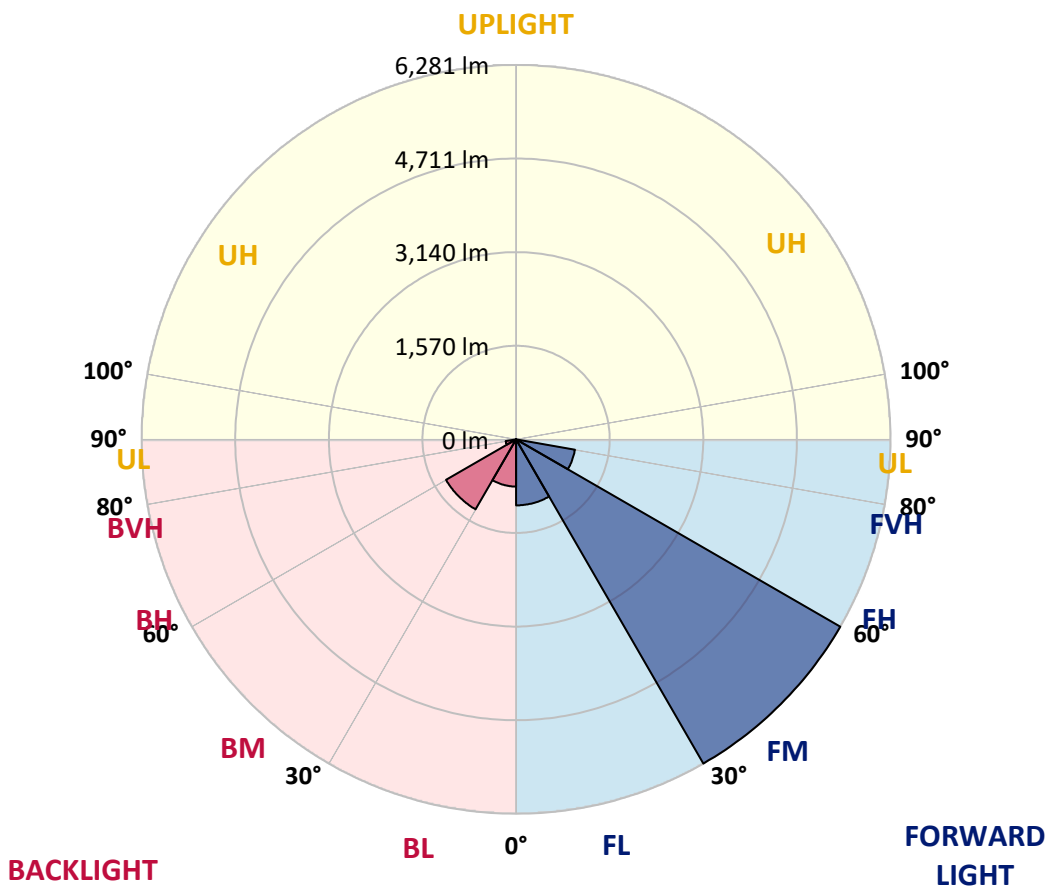
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1107.7	10.3			
FM (30°-60°)	6280.8	58.6			
FH (60°-80°)	1003.0	9.4			G1/1800
FVH (80°-90°)	1.4	0.0			G0/10
BL (0°-30°)	791.5	7.4	B2/1000		
BM (30°-60°)	1356.4	12.7	B2/2500		
BH (60°-80°)	176.8	1.6	B1/500		G1/500
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1794.2	1794.2	1794.2	1794.2	1794.2	1794.2	1794.2	1794.2	1794.2	1794.2	1794.2
2.5°	1812.9	1811.7	1810.4	1817.9	1815.4	1814.1	1816.6	1816.6	1816.6	1809.2	1794.2
5°	1856.5	1856.5	1855.2	1862.7	1856.5	1852.7	1854.0	1854.0	1849.0	1835.3	1816.6
7.5°	1924.9	1922.4	1919.9	1927.4	1921.2	1919.9	1922.4	1914.9	1906.2	1883.8	1857.7
10°	2023.2	2023.2	2019.5	2026.9	2021.9	2019.5	2019.5	2014.5	1998.3	1963.5	1924.9
12.5°	2158.8	2152.6	2143.9	2137.7	2135.2	2133.9	2135.2	2127.7	2110.3	2065.5	2012.0
15°	2306.9	2301.9	2288.2	2278.3	2264.6	2262.1	2269.5	2263.3	2245.9	2184.9	2109.0
17.5°	2493.5	2499.7	2464.9	2443.7	2403.9	2401.4	2403.9	2413.9	2401.4	2323.1	2212.3
20°	2652.8	2657.8	2631.6	2616.7	2580.6	2564.4	2569.4	2585.6	2571.9	2479.8	2325.5
22.5°	2823.2	2829.5	2802.1	2771.0	2754.8	2754.8	2773.5	2795.9	2777.2	2656.5	2454.9
25°	3027.3	3032.3	3009.9	2968.8	2940.2	2976.3	3003.7	3063.4	3032.3	2868.0	2608.0
27.5°	3261.2	3262.5	3230.1	3187.8	3172.9	3240.1	3267.5	3359.5	3347.1	3105.7	2769.7
30°	3511.3	3512.6	3505.1	3476.5	3462.8	3551.1	3588.5	3721.6	3712.9	3400.6	2990.0
32.5°	3771.4	3771.4	3785.1	3782.6	3798.8	3943.1	4002.8	4154.6	4145.9	3761.4	3263.7
35°	4032.7	4033.9	4057.6	4117.3	4184.5	4376.1	4454.5	4638.6	4618.7	4193.2	3613.4
37.5°	4330.1	4317.6	4350.0	4439.6	4588.9	4810.4	4885.0	5060.4	5038.1	4634.9	4070.0
40°	4688.4	4666.0	4666.0	4770.5	4939.8	5194.8	5258.3	5345.4	5269.5	4992.0	4517.9
42.5°	5084.1	5062.9	5035.6	5127.6	5269.5	5468.6	5520.8	5497.2	5435.0	5329.2	5028.1
45°	5484.7	5452.4	5471.1	5527.0	5609.2	5703.7	5723.6	5614.1	5585.5	5615.4	5449.9
47.5°	5789.6	5767.2	5813.2	5891.6	5958.8	5972.5	5958.8	5807.0	5804.5	5910.3	5742.3
50°	5891.6	5894.1	6021.0	6192.7	6301.0	6312.2	6293.5	6119.3	6095.7	6126.8	5900.3
52.5°	5901.6	5911.5	6096.9	6424.2	6719.1	6853.4	6838.5	6650.6	6419.2	6385.6	6139.2
55°	5661.4	5719.9	5978.7	6456.5	7083.6	7512.9	7562.7	7203.1	6859.7	6831.0	6653.1
57.5°	4525.4	4644.9	4957.2	5637.8	6676.8	7581.3	7710.7	7451.9	7119.7	6997.8	6515.0
60°	2705.0	2853.1	3153.0	3987.9	5081.6	6231.3	6454.0	6490.1	6337.1	5984.9	4998.2
62.5°	1160.9	1148.5	1518.0	2157.6	3022.3	3960.5	4061.3	4218.1	4351.2	3982.9	3033.5
65°	398.2	433.0	602.2	973.0	1513.0	1839.0	1928.6	2069.2	2258.4	1863.9	1111.1
67.5°	246.4	261.3	347.2	574.9	816.2	803.8	764.0	741.6	721.7	494.0	304.8
70°	179.2	191.6	243.9	395.7	548.7	385.7	334.7	271.3	301.1	277.5	216.5
72.5°	120.7	130.6	168.0	240.1	281.2	187.9	174.2	197.8	238.9	227.7	176.7
75°	72.2	78.4	95.8	117.0	114.5	97.1	98.3	139.4	182.9	170.5	125.7
77.5°	49.8	52.3	63.5	75.9	56.0	29.9	27.4	38.6	62.2	62.2	42.3
80°	12.4	16.2	16.2	10.0	8.7	7.5	7.5	11.2	17.4	12.4	6.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5	2.5
85°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5
87.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5
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°	1794.2	1794.2	1794.2	1794.2	1794.2	1794.2	1794.2	1794.2	1794.2	1794.2	1794.2
2.5°	1802.9	1788.0	1798.0	1795.5	1802.9	1805.4	1794.2	1791.7	1793.0	1778.1	1773.1
5°	1820.4	1802.9	1807.9	1802.9	1811.7	1819.1	1815.4	1820.4	1826.6	1815.4	1810.4
7.5°	1857.7	1840.3	1839.0	1831.6	1844.0	1849.0	1847.7	1861.4	1873.9	1866.4	1858.9
10°	1922.4	1898.8	1896.3	1890.0	1893.8	1897.5	1883.8	1886.3	1897.5	1888.8	1885.1
12.5°	2002.0	1973.4	1967.2	1952.3	1952.3	1933.6	1903.7	1897.5	1906.2	1900.0	1893.8
15°	2087.9	2049.3	2039.4	2013.2	1988.3	1953.5	1922.4	1914.9	1921.2	1913.7	1908.7
17.5°	2183.7	2140.1	2107.8	2061.8	2007.0	1965.9	1931.1	1914.9	1905.0	1890.0	1888.8
20°	2278.3	2221.0	2166.3	2092.9	2020.7	1958.5	1901.2	1858.9	1822.9	1800.5	1791.7
22.5°	2387.8	2303.1	2214.8	2111.5	2008.3	1913.7	1812.9	1740.7	1678.5	1657.4	1647.4
25°	2504.7	2395.2	2263.3	2128.9	1965.9	1814.1	1677.3	1570.3	1488.1	1460.8	1449.6
27.5°	2634.1	2483.6	2313.1	2125.2	1878.8	1672.3	1490.6	1357.5	1276.6	1251.7	1260.4
30°	2798.4	2598.0	2375.3	2086.6	1748.2	1473.2	1260.4	1148.5	1087.5	1063.9	1065.1
32.5°	3017.4	2762.3	2466.1	2004.5	1580.2	1246.8	1060.1	978.0	936.9	905.8	903.3
35°	3330.9	3012.4	2550.8	1872.6	1376.2	1045.2	909.6	844.9	787.6	751.5	757.8
37.5°	3706.7	3327.2	2596.8	1694.7	1147.2	888.4	796.3	730.4	665.7	612.2	618.4
40°	4152.1	3739.0	2593.1	1460.8	938.2	781.4	701.8	624.6	543.7	495.2	500.2
42.5°	4648.6	4128.5	2512.2	1213.2	777.7	694.3	610.9	513.9	435.5	405.6	406.9
45°	5079.1	4444.5	2370.3	956.8	654.5	609.7	516.4	416.8	382.0	360.8	359.6
47.5°	5397.6	4676.0	2167.5	752.8	554.9	532.5	424.3	373.3	345.9	328.5	326.0
50°	5575.6	4756.8	1943.6	589.8	469.1	451.7	379.5	338.4	319.8	308.6	306.1
52.5°	5814.5	4853.9	1783.0	465.4	393.2	369.5	349.6	314.8	302.4	293.6	289.9
55°	6192.7	5041.8	1643.7	369.5	327.2	322.3	329.7	301.1	293.6	280.0	275.0
57.5°	5836.9	4529.1	1276.6	286.2	276.2	294.9	318.5	287.4	268.8	256.3	251.3
60°	4107.3	3011.1	642.0	230.2	246.4	276.2	299.9	260.1	241.4	243.9	241.4
62.5°	2264.6	1506.8	288.7	192.9	214.0	243.9	256.3	225.2	212.8	233.9	237.7
65°	740.3	512.6	166.7	149.3	169.2	199.1	221.5	214.0	211.5	236.4	243.9
67.5°	227.7	169.2	113.2	107.0	117.0	146.8	186.6	231.4	248.9	256.3	260.1
70°	170.5	133.1	97.1	90.8	95.8	112.0	158.0	192.9	181.7	182.9	180.4
72.5°	136.9	105.8	83.4	79.6	79.6	77.1	83.4	104.5	118.2	124.4	124.4
75°	95.8	74.7	63.5	58.5	46.0	37.3	33.6	33.6	29.9	28.6	27.4
77.5°	32.4	27.4	24.9	19.9	13.7	11.2	10.0	8.7	6.2	3.7	2.5
80°	5.0	3.7	2.5	2.5	2.5	1.2	1.2	1.2	0.0	0.0	0.0
82.5°	2.5	2.5	2.5	2.5	2.5	1.2	1.2	0.0	0.0	0.0	0.0
85°	2.5	2.5	2.5	2.5	2.5	1.2	1.2	0.0	0.0	0.0	0.0
87.5°	2.5	2.5	2.5	2.5	1.2	1.2	1.2	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)