

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: P639511

Luminaire Tested: GWS-SA5C-722-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639511
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-722-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11368.2 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

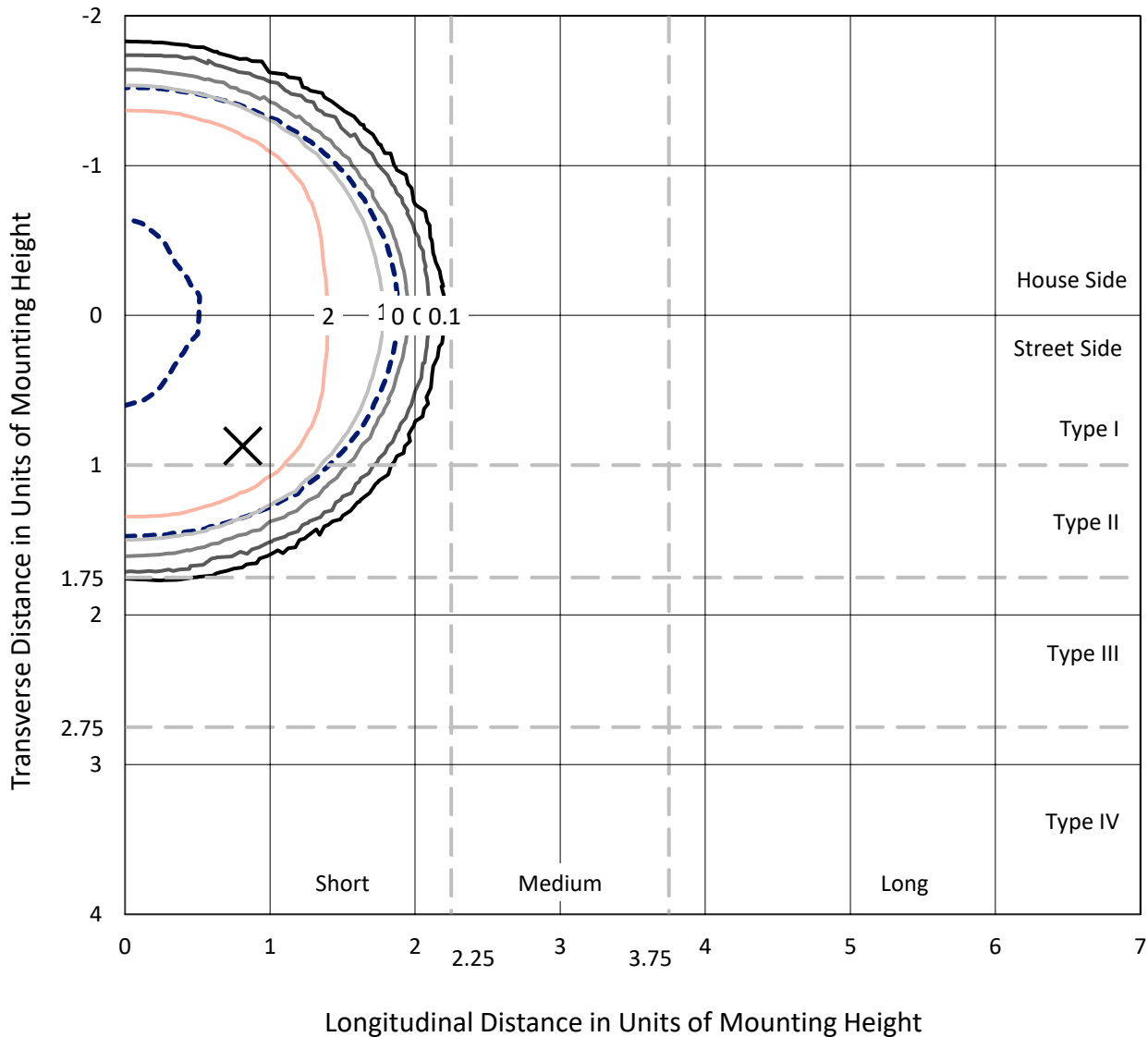
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

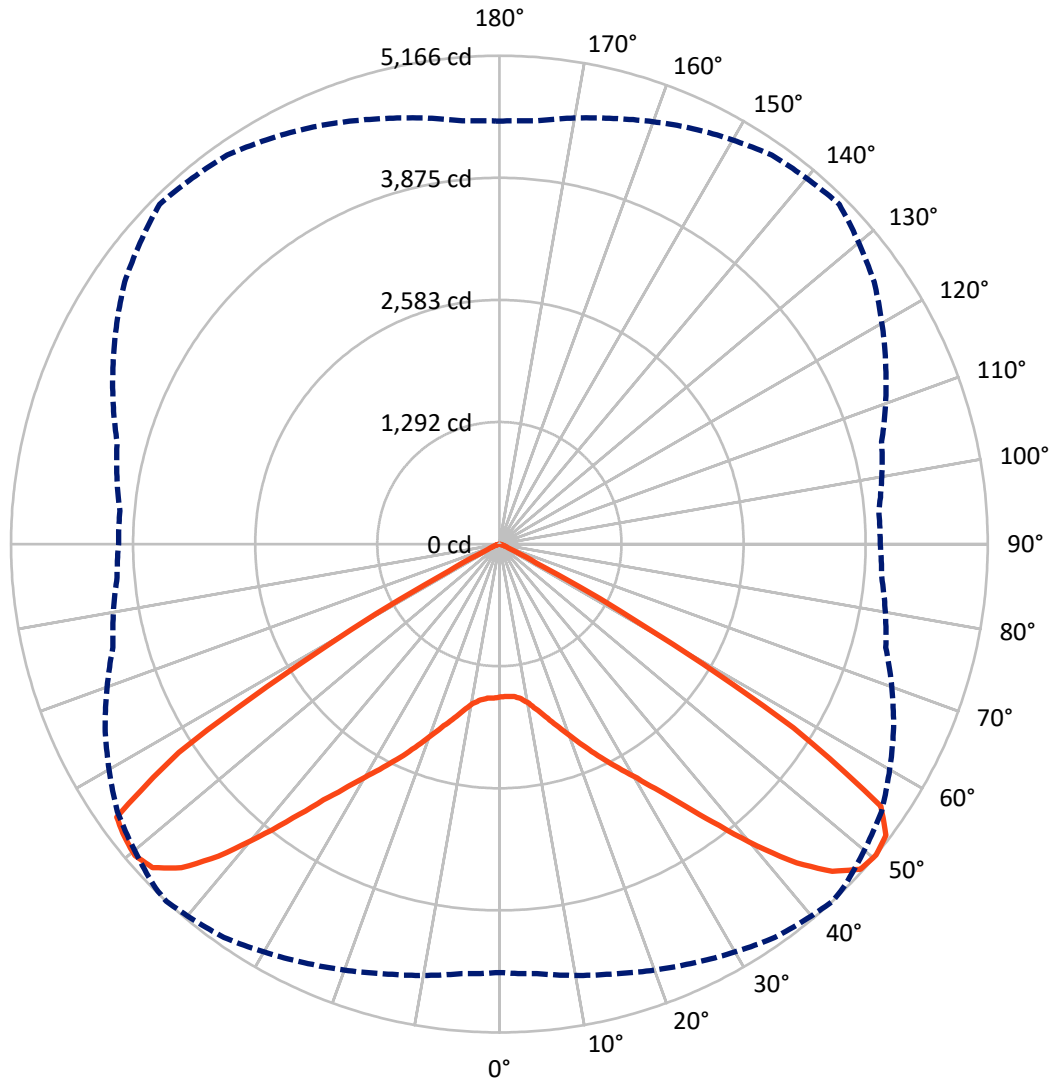
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5684.0	0.0	5684.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5684.2	0.0	5684.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	11368.2	0.0	11368.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.2	1.4
10°-20°	548.0	4.8
20°-30°	1108.6	9.8
30°-40°	2056.9	18.1
40°-50°	3414.3	30.0
50°-60°	3484.4	30.7
60°-70°	571.4	5.0
70°-80°	25.0	0.2
80°-90°	0.4	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°	11368.2	100.0
0°-180°	11368.2	100.0

Coefficient of Utilization



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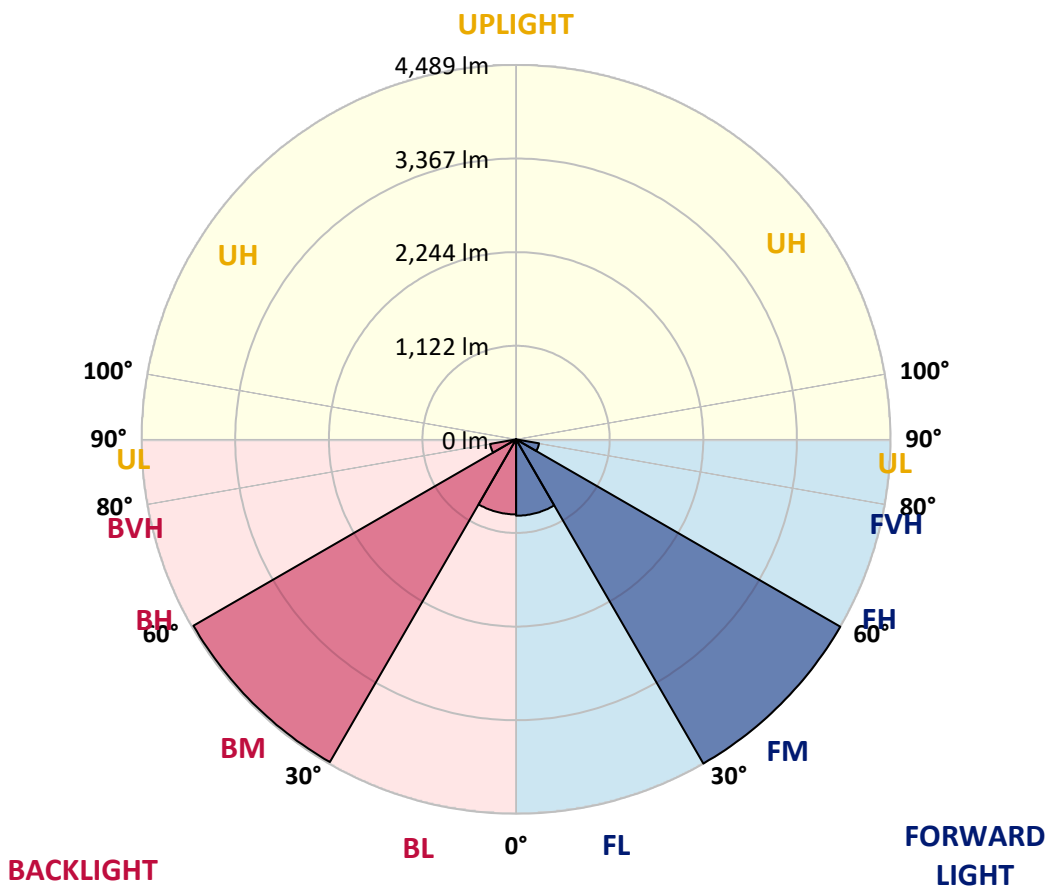
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	915.9	8.1			
FM (30°-60°)	4488.7	39.5			
FH (60°-80°)	279.5	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	899.9	7.9	B2/1000		
BM (30°-60°)	4466.9	39.3	B3/5000		
BH (60°-80°)	316.9	2.8	B1/500		G0/660
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1616.9	1616.9	1616.9	1616.9	1616.9	1616.9	1616.9	1616.9	1616.9	1616.9	1616.9
2.5°	1586.8	1590.5	1595.6	1600.6	1606.9	1613.2	1616.9	1628.3	1625.7	1635.8	1635.8
5°	1569.2	1572.9	1579.2	1590.5	1604.4	1618.2	1628.3	1650.9	1663.5	1683.6	1691.1
7.5°	1578.0	1583.0	1590.5	1608.1	1629.5	1650.9	1662.2	1698.7	1723.8	1761.5	1782.9
10°	1606.9	1611.9	1624.5	1654.7	1682.3	1712.5	1726.3	1772.9	1813.1	1864.6	1894.8
12.5°	1639.6	1645.9	1671.0	1716.3	1764.1	1804.3	1823.2	1874.7	1916.2	1974.0	2021.8
15°	1673.5	1683.6	1722.6	1789.2	1857.1	1911.2	1931.3	1986.6	2028.1	2089.7	2143.8
17.5°	1752.7	1764.1	1808.1	1879.7	1972.8	2035.6	2053.2	2111.1	2142.5	2184.0	2240.6
20°	1852.1	1873.4	1927.5	2014.3	2116.1	2176.5	2189.0	2245.6	2243.1	2260.7	2309.7
22.5°	1975.3	1990.4	2049.5	2152.6	2267.0	2333.6	2362.6	2386.4	2355.0	2339.9	2371.4
25°	2103.5	2121.1	2185.3	2298.4	2426.7	2503.4	2527.3	2546.1	2495.8	2439.3	2443.0
27.5°	2269.5	2282.1	2344.9	2465.7	2593.9	2680.7	2702.0	2734.7	2668.1	2577.6	2552.4
30°	2466.9	2479.5	2546.1	2673.1	2800.1	2874.3	2907.0	2947.2	2874.3	2761.1	2732.2
32.5°	2698.3	2710.8	2796.3	2927.1	3031.5	3111.9	3143.4	3186.1	3128.3	3001.3	2968.6
35°	2974.9	2982.4	3083.0	3225.1	3335.7	3413.7	3435.1	3485.4	3421.2	3294.2	3276.6
37.5°	3295.5	3304.3	3413.7	3578.4	3691.6	3778.3	3812.3	3826.1	3748.1	3606.1	3592.2
40°	3647.6	3676.5	3783.4	3960.6	4087.6	4197.0	4227.2	4180.7	4071.3	3877.7	3852.5
42.5°	4014.7	4039.9	4159.3	4351.7	4498.8	4610.7	4611.9	4511.4	4325.3	4057.5	4019.7
45°	4320.2	4330.3	4485.0	4678.6	4859.6	4938.9	4946.4	4764.1	4483.7	4161.8	4081.3
47.5°	4530.2	4546.6	4681.1	4867.2	5067.1	5138.8	5123.7	4896.1	4559.1	4229.7	4096.4
50°	4532.7	4560.4	4706.2	4886.0	5079.7	5166.4	5145.1	4933.8	4601.9	4232.2	4060.0
52.5°	4131.6	4176.9	4414.5	4674.8	4971.5	5119.9	5124.9	4982.9	4585.5	4192.0	4027.3
55°	3117.0	3166.0	3465.2	3909.1	4482.4	4896.1	4967.8	4925.0	4566.7	4209.6	4085.1
57.5°	1649.6	1611.9	1777.9	2218.0	2938.4	3670.2	3880.2	4222.2	4356.7	4231.0	4192.0
60°	359.6	383.5	510.5	687.8	1146.7	1726.3	1931.3	2517.2	3213.8	3523.1	3746.9
62.5°	154.7	152.1	158.4	179.8	262.8	437.6	534.4	872.6	1376.8	1891.0	2239.3
65°	127.0	128.2	133.3	133.3	124.5	125.7	132.0	199.9	321.9	451.4	606.0
67.5°	95.6	96.8	105.6	108.1	101.8	90.5	89.3	75.4	79.2	99.3	103.1
70°	60.4	60.4	65.4	67.9	67.9	62.9	61.6	54.1	52.8	60.4	67.9
72.5°	32.7	32.7	35.2	36.5	35.2	33.9	33.9	32.7	31.4	36.5	46.5
75°	13.8	13.8	15.1	15.1	13.8	13.8	13.8	13.8	13.8	16.3	25.1
77.5°	2.5	3.8	5.0	3.8	2.5	2.5	2.5	3.8	3.8	5.0	7.5
80°	1.3	1.3	2.5	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1616.9	1616.9	1616.9	1616.9	1616.9	1616.9	1616.9	1616.9	1616.9	1616.9	1616.9
2.5°	1644.6	1630.8	1635.8	1638.3	1634.5	1632.0	1618.2	1614.4	1608.1	1598.1	1595.6
5°	1699.9	1688.6	1687.4	1679.8	1662.2	1640.8	1614.4	1603.1	1590.5	1578.0	1575.5
7.5°	1793.0	1779.1	1770.3	1745.2	1705.0	1671.0	1627.0	1603.1	1586.8	1570.4	1566.7
10°	1912.4	1896.1	1870.9	1824.4	1770.3	1721.3	1669.8	1638.3	1613.2	1590.5	1589.3
12.5°	2039.4	2021.8	1976.5	1917.5	1852.1	1806.8	1741.4	1697.4	1659.7	1625.7	1622.0
15°	2172.7	2151.3	2089.7	2019.3	1958.9	1912.4	1840.8	1770.3	1712.5	1663.5	1658.4
17.5°	2274.5	2248.1	2175.2	2122.4	2073.4	2025.6	1945.1	1852.1	1775.4	1716.3	1702.4
20°	2338.7	2313.5	2244.4	2215.4	2192.8	2158.9	2063.3	1966.5	1881.0	1808.1	1795.5
22.5°	2400.3	2370.1	2309.7	2309.7	2327.3	2313.5	2210.4	2099.8	1999.2	1914.9	1896.1
25°	2469.4	2445.5	2402.8	2438.0	2482.0	2480.7	2375.1	2236.8	2121.1	2026.8	2008.0
27.5°	2570.0	2546.1	2531.0	2597.7	2653.0	2649.2	2533.6	2383.9	2262.0	2168.9	2151.3
30°	2747.3	2724.7	2708.3	2788.8	2859.2	2832.8	2705.8	2561.2	2438.0	2332.4	2319.8
32.5°	2983.7	2959.8	2938.4	3018.9	3081.8	3047.8	2927.1	2791.3	2649.2	2546.1	2521.0
35°	3294.2	3244.0	3222.6	3318.1	3344.5	3306.8	3191.1	3071.7	2920.8	2802.6	2786.3
37.5°	3614.9	3555.8	3540.7	3623.7	3666.4	3652.6	3516.8	3392.3	3228.9	3098.1	3079.2
40°	3889.0	3834.9	3808.5	3938.0	4034.8	4043.6	3921.7	3769.5	3577.1	3441.4	3407.4
42.5°	4049.9	4003.4	3997.1	4198.3	4356.7	4469.9	4324.0	4166.8	3964.4	3811.0	3783.4
45°	4086.4	4056.2	4109.0	4373.0	4619.5	4825.7	4701.2	4535.2	4316.5	4154.3	4127.9
47.5°	4082.6	4072.5	4166.8	4463.6	4775.4	5029.4	4967.8	4780.4	4569.2	4399.5	4374.3
50°	4028.5	4029.8	4187.0	4508.8	4838.3	5084.7	5023.1	4849.6	4661.0	4493.8	4473.6
52.5°	4007.2	3999.6	4149.2	4495.0	4902.4	5059.6	4921.3	4726.4	4516.4	4310.2	4280.0
55°	4082.6	4063.7	4154.3	4483.7	4909.9	5045.7	4681.1	4258.6	3828.6	3584.7	3564.6
57.5°	4195.8	4175.6	4218.4	4400.7	4516.4	4195.8	3445.1	2763.6	2321.1	2133.7	2052.0
60°	3746.9	3733.1	3700.4	3480.3	2984.9	2251.9	1534.0	978.2	702.9	568.3	568.3
62.5°	2324.8	2306.0	2128.7	1581.7	1149.2	665.1	365.9	228.8	173.5	162.2	160.9
65°	652.6	648.8	536.9	379.7	241.4	149.6	132.0	134.5	132.0	128.2	127.0
67.5°	98.1	108.1	108.1	88.0	84.2	94.3	110.6	118.2	111.9	105.6	103.1
70°	62.9	67.9	65.4	56.6	60.4	70.4	79.2	80.5	76.7	70.4	69.2
72.5°	44.0	49.0	40.2	36.5	37.7	41.5	45.3	45.3	44.0	41.5	39.0
75°	26.4	26.4	18.9	17.6	17.6	18.9	18.9	21.4	21.4	20.1	18.9
77.5°	8.8	10.1	6.3	5.0	5.0	5.0	6.3	7.5	7.5	6.3	5.0
80°	1.3	2.5	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5	1.3
82.5°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)