

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: P639346

Luminaire Tested: GWS-SA5B-760-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639346
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-SA5B-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11610.3 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

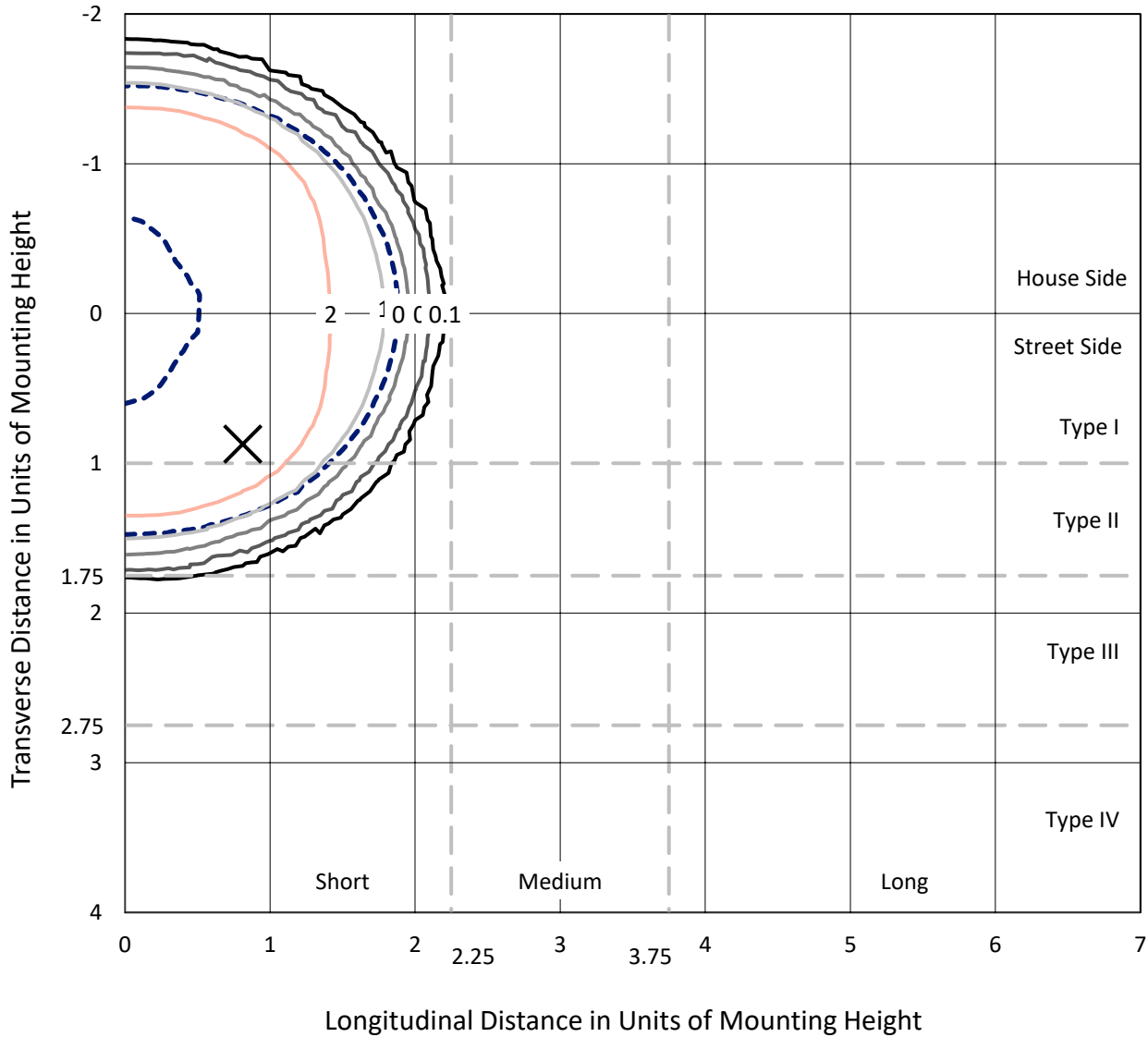
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

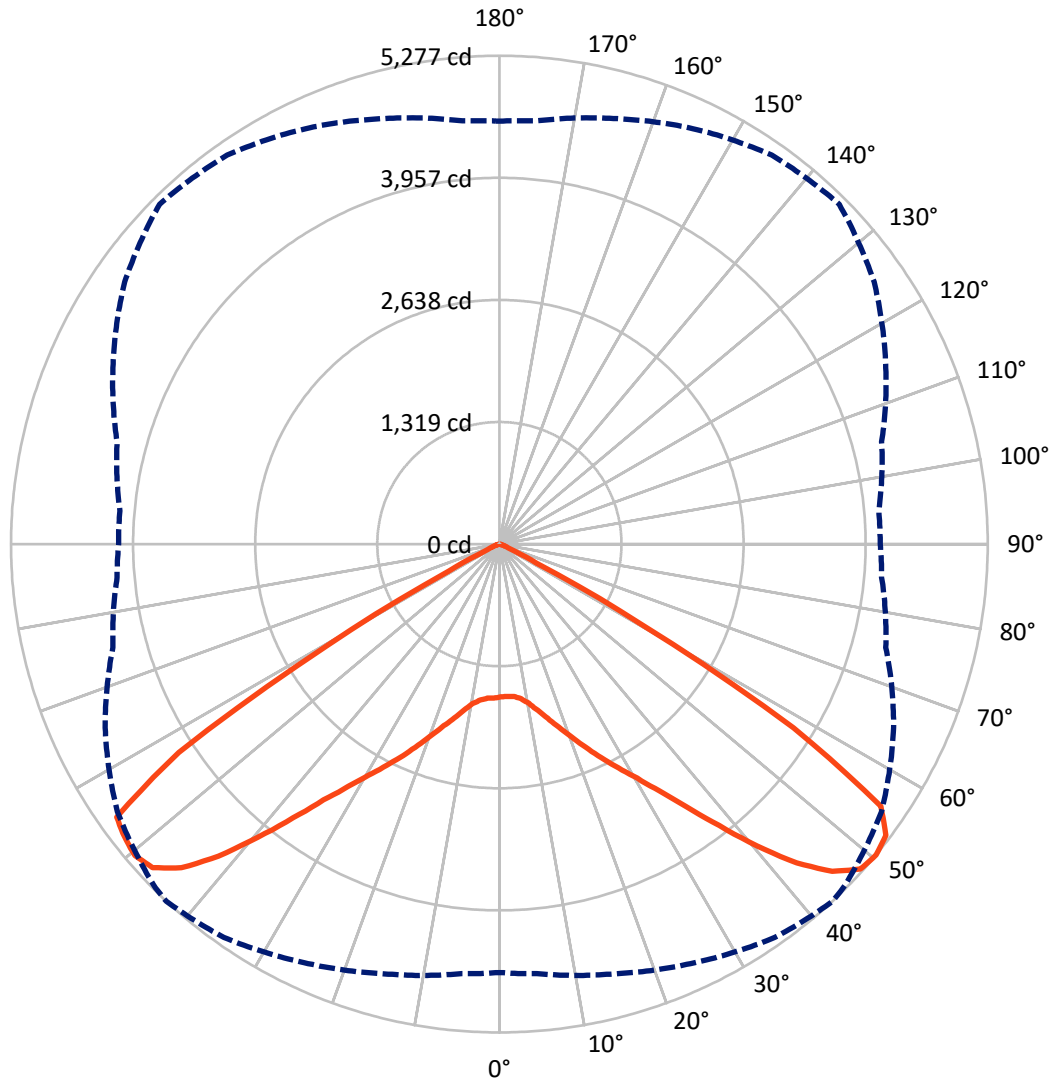
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.9 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	5805.0	0.0	5805.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5805.3	0.0	5805.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	11610.3	0.0	11610.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.6	1.4
10°-20°	559.6	4.8
20°-30°	1132.2	9.8
30°-40°	2100.7	18.1
40°-50°	3487.0	30.0
50°-60°	3558.6	30.7
60°-70°	583.6	5.0
70°-80°	25.5	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°	11610.3	100.0
0°-180°	11610.3	100.0

Coefficient of Utilization



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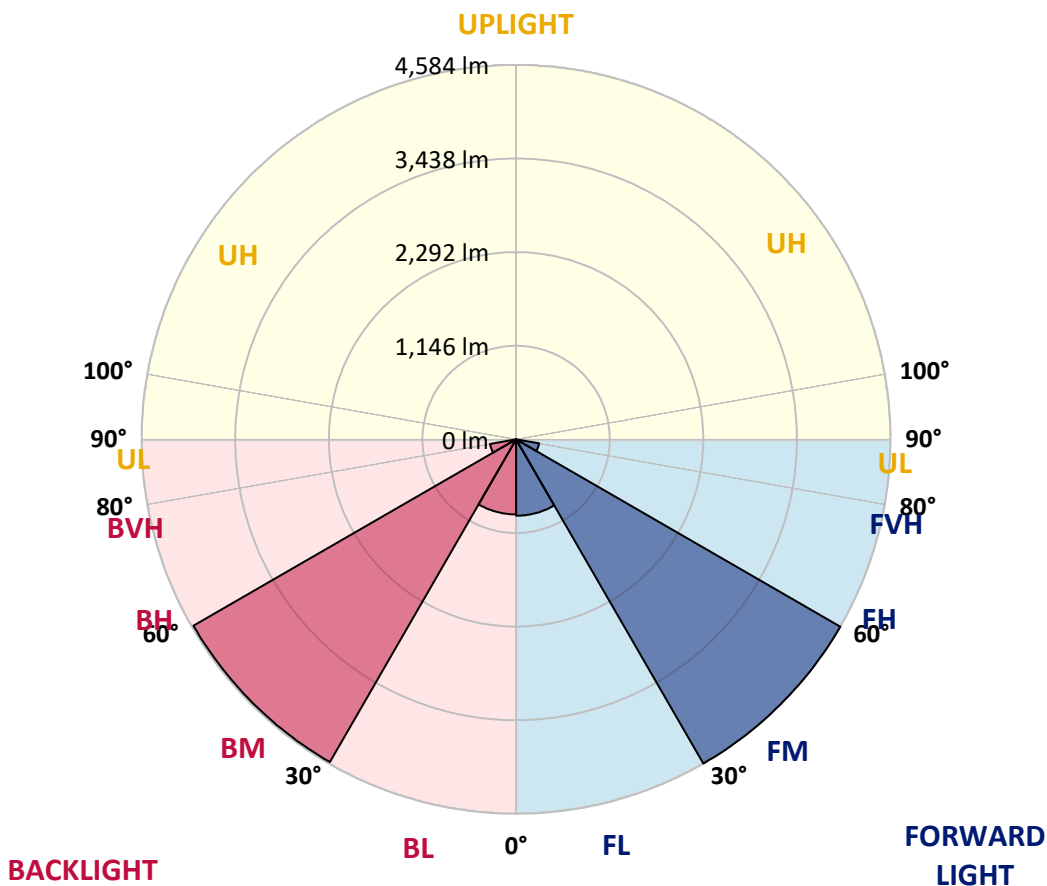
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	935.4	8.1			
FM (30°-60°)	4584.3	39.5			
FH (60°-80°)	285.5	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	919.1	7.9	B2/1000		
BM (30°-60°)	4562.0	39.3	B3/5000		
BH (60°-80°)	323.6	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°	1651.4	1651.4	1651.4	1651.4	1651.4	1651.4	1651.4	1651.4	1651.4	1651.4	1651.4
2.5°	1620.6	1624.4	1629.6	1634.7	1641.1	1647.5	1651.4	1662.9	1660.4	1670.6	1670.6
5°	1602.6	1606.4	1612.9	1624.4	1638.5	1652.7	1662.9	1686.1	1698.9	1719.4	1727.1
7.5°	1611.6	1616.7	1624.4	1642.4	1664.2	1686.1	1697.6	1734.8	1760.5	1799.1	1820.9
10°	1641.1	1646.2	1659.1	1689.9	1718.2	1749.0	1763.1	1810.6	1851.7	1904.4	1935.2
12.5°	1674.5	1680.9	1706.6	1752.8	1801.6	1842.7	1862.0	1914.6	1957.0	2016.1	2064.9
15°	1709.2	1719.4	1759.2	1827.3	1896.6	1951.9	1972.4	2028.9	2071.3	2134.2	2189.4
17.5°	1790.1	1801.6	1846.6	1919.8	2014.8	2079.0	2097.0	2156.0	2188.1	2230.5	2288.3
20°	1891.5	1913.3	1968.6	2057.2	2161.2	2222.8	2235.7	2293.4	2290.9	2308.9	2358.9
22.5°	2017.4	2032.8	2093.1	2198.4	2315.3	2383.3	2412.9	2437.3	2405.2	2389.8	2421.9
25°	2148.3	2166.3	2231.8	2347.4	2478.4	2556.7	2581.1	2600.3	2549.0	2491.2	2495.1
27.5°	2317.8	2330.7	2394.9	2518.2	2649.1	2737.7	2759.6	2793.0	2724.9	2632.5	2606.8
30°	2519.4	2532.3	2600.3	2730.0	2859.7	2935.5	2968.9	3010.0	2935.5	2819.9	2790.4
32.5°	2755.7	2768.6	2855.9	2989.4	3096.0	3178.2	3210.3	3254.0	3194.9	3065.2	3031.8
35°	3038.2	3045.9	3148.7	3293.8	3406.8	3486.4	3508.2	3559.6	3494.1	3364.4	3346.4
37.5°	3365.7	3374.7	3486.4	3654.6	3770.2	3858.8	3893.5	3907.6	3828.0	3682.9	3668.7
40°	3725.2	3754.8	3863.9	4045.0	4174.7	4286.4	4317.2	4269.7	4158.0	3960.2	3934.6
42.5°	4100.2	4125.9	4247.9	4444.3	4594.6	4708.9	4710.2	4607.4	4417.4	4143.9	4105.3
45°	4412.2	4422.5	4580.5	4778.2	4963.1	5044.0	5051.7	4865.5	4579.2	4250.4	4168.3
47.5°	4626.7	4643.4	4780.8	4970.8	5175.0	5248.2	5232.8	5000.4	4656.2	4319.8	4183.7
50°	4629.3	4657.5	4806.5	4990.1	5187.9	5276.5	5254.6	5038.9	4699.9	4322.4	4146.4
52.5°	4219.6	4265.9	4508.6	4774.4	5077.4	5228.9	5234.1	5089.0	4683.2	4281.3	4113.0
55°	3183.3	3233.4	3539.0	3992.3	4577.9	5000.4	5073.6	5029.9	4663.9	4299.2	4172.1
57.5°	1684.8	1646.2	1815.7	2265.2	3001.0	3748.4	3962.8	4312.1	4449.5	4321.1	4281.3
60°	367.3	391.7	521.4	702.4	1171.1	1763.1	1972.4	2570.8	3282.2	3598.1	3826.7
62.5°	157.9	155.4	161.8	183.6	268.4	446.9	545.8	891.2	1406.1	1931.3	2287.0
65°	129.7	131.0	136.1	136.1	127.1	128.4	134.8	204.2	328.7	461.0	618.9
67.5°	97.6	98.9	107.9	110.4	104.0	92.5	91.2	77.0	80.9	101.4	105.3
70°	61.6	61.6	66.8	69.3	69.3	64.2	62.9	55.2	53.9	61.6	69.3
72.5°	33.4	33.4	36.0	37.2	36.0	34.7	34.7	33.4	32.1	37.2	47.5
75°	14.1	14.1	15.4	15.4	14.1	14.1	14.1	14.1	14.1	16.7	25.7
77.5°	2.6	3.9	5.1	3.9	2.6	2.6	2.6	3.9	3.9	5.1	7.7
80°	1.3	1.3	2.6	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°	1651.4	1651.4	1651.4	1651.4	1651.4	1651.4	1651.4	1651.4	1651.4	1651.4	1651.4
2.5°	1679.6	1665.5	1670.6	1673.2	1669.4	1666.8	1652.7	1648.8	1642.4	1632.1	1629.6
5°	1736.1	1724.6	1723.3	1715.6	1697.6	1675.8	1648.8	1637.3	1624.4	1611.6	1609.0
7.5°	1831.2	1817.0	1808.0	1782.4	1741.3	1706.6	1661.7	1637.3	1620.6	1603.9	1600.0
10°	1953.2	1936.5	1910.8	1863.3	1808.0	1758.0	1705.3	1673.2	1647.5	1624.4	1623.1
12.5°	2082.8	2064.9	2018.6	1958.3	1891.5	1845.3	1778.5	1733.6	1695.0	1660.4	1656.5
15°	2219.0	2197.1	2134.2	2062.3	2000.7	1953.2	1880.0	1808.0	1749.0	1698.9	1693.8
17.5°	2323.0	2296.0	2221.5	2167.6	2117.5	2068.7	1986.5	1891.5	1813.2	1752.8	1738.7
20°	2388.5	2362.8	2292.2	2262.6	2239.5	2204.8	2107.2	2008.4	1921.0	1846.6	1833.7
22.5°	2451.4	2420.6	2358.9	2358.9	2376.9	2362.8	2257.5	2144.5	2041.8	1955.7	1936.5
25°	2522.0	2497.6	2454.0	2489.9	2534.9	2533.6	2425.7	2284.5	2166.3	2070.0	2050.7
27.5°	2624.7	2600.3	2584.9	2653.0	2709.5	2705.6	2587.5	2434.7	2310.1	2215.1	2197.1
30°	2805.8	2782.7	2766.0	2848.2	2920.1	2893.1	2763.4	2615.8	2489.9	2382.0	2369.2
32.5°	3047.2	3022.8	3001.0	3083.2	3147.4	3112.7	2989.4	2850.8	2705.6	2600.3	2574.7
35°	3364.4	3313.0	3291.2	3388.8	3415.8	3377.2	3259.1	3137.1	2983.0	2862.3	2845.6
37.5°	3691.9	3631.5	3616.1	3700.8	3744.5	3730.4	3591.7	3464.6	3297.6	3164.1	3144.8
40°	3971.8	3916.6	3889.6	4021.9	4120.7	4129.7	4005.2	3849.8	3653.3	3514.6	3480.0
42.5°	4136.2	4088.6	4082.2	4287.7	4449.5	4565.1	4416.1	4255.6	4048.8	3892.2	3863.9
45°	4173.4	4142.6	4196.5	4466.2	4717.9	4928.5	4801.3	4631.8	4408.4	4242.7	4215.8
47.5°	4169.5	4159.3	4255.6	4558.6	4877.1	5136.5	5073.6	4882.2	4666.5	4493.1	4467.5
50°	4114.3	4115.6	4276.1	4604.9	4941.3	5193.0	5130.1	4952.9	4760.2	4589.5	4568.9
52.5°	4092.5	4084.8	4237.6	4590.7	5006.8	5167.3	5026.1	4827.0	4612.6	4402.0	4371.2
55°	4169.5	4150.3	4242.7	4579.2	5014.5	5153.2	4780.8	4349.3	3910.2	3661.0	3640.5
57.5°	4285.1	4264.6	4308.2	4494.4	4612.6	4285.1	3518.5	2822.5	2370.5	2179.2	2095.7
60°	3826.7	3812.6	3779.2	3554.5	3048.5	2299.9	1566.6	999.0	717.8	580.4	580.4
62.5°	2374.3	2355.1	2174.0	1615.4	1173.7	679.3	373.7	233.7	177.2	165.7	164.4
65°	666.5	662.6	548.3	387.8	246.6	152.8	134.8	137.4	134.8	131.0	129.7
67.5°	100.2	110.4	110.4	89.9	86.0	96.3	113.0	120.7	114.3	107.9	105.3
70°	64.2	69.3	66.8	57.8	61.6	71.9	80.9	82.2	78.3	71.9	70.6
72.5°	44.9	50.1	41.1	37.2	38.5	42.4	46.2	46.2	44.9	42.4	39.8
75°	27.0	27.0	19.3	18.0	18.0	19.3	19.3	21.8	21.8	20.5	19.3
77.5°	9.0	10.3	6.4	5.1	5.1	5.1	6.4	7.7	7.7	6.4	5.1
80°	1.3	2.6	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	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)