

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: P636046

Luminaire Tested: GWS-SA3F-722-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636046
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-SA3F-722-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11672.8 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

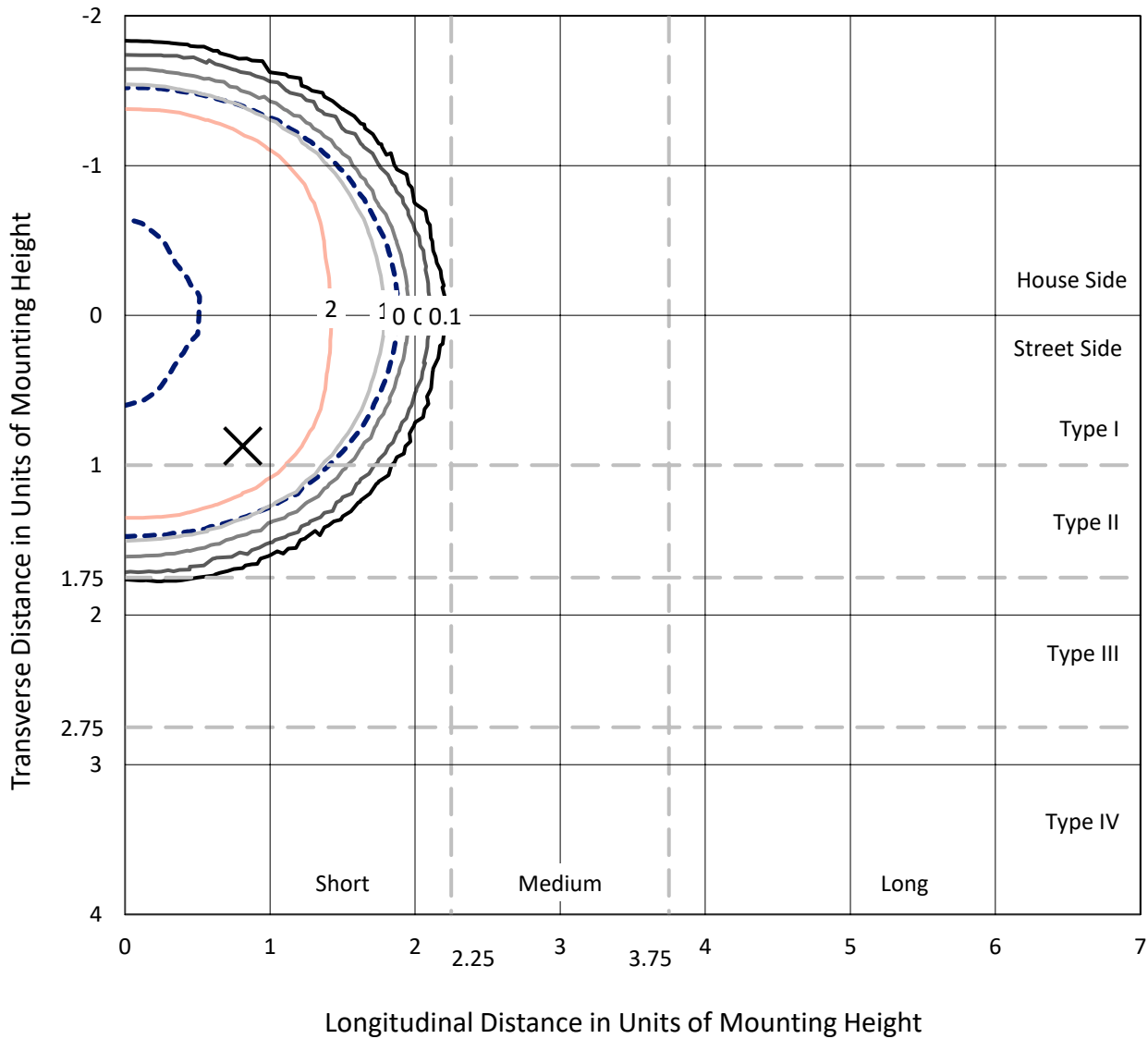
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

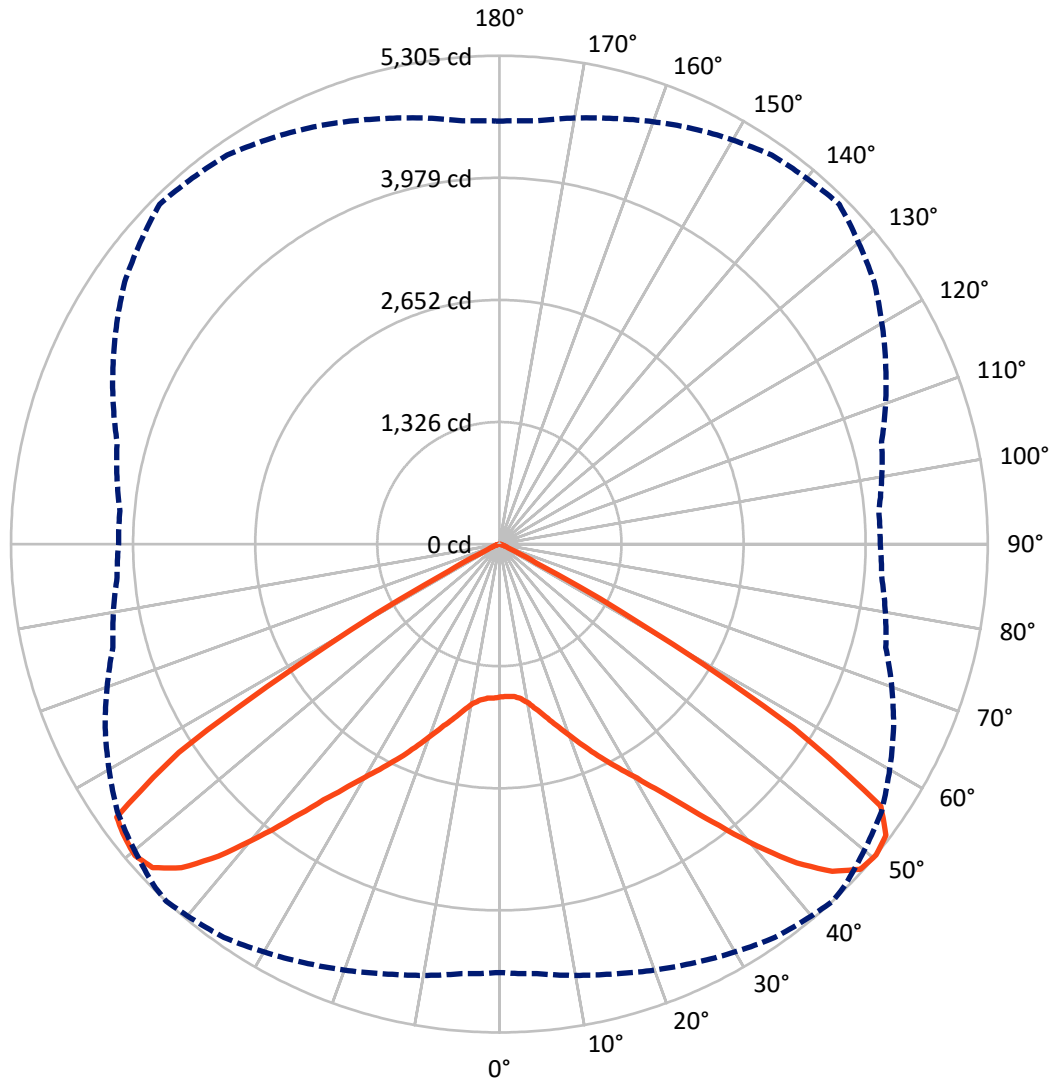
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 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	5836.3	0.0	5836.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5836.5	0.0	5836.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11672.8	0.0	11672.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.5	1.4
10°-20°	562.6	4.8
20°-30°	1138.3	9.8
30°-40°	2112.0	18.1
40°-50°	3505.8	30.0
50°-60°	3577.8	30.7
60°-70°	586.7	5.0
70°-80°	25.7	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°	11672.8	100.0
0°-180°	11672.8	100.0

Coefficient of Utilization



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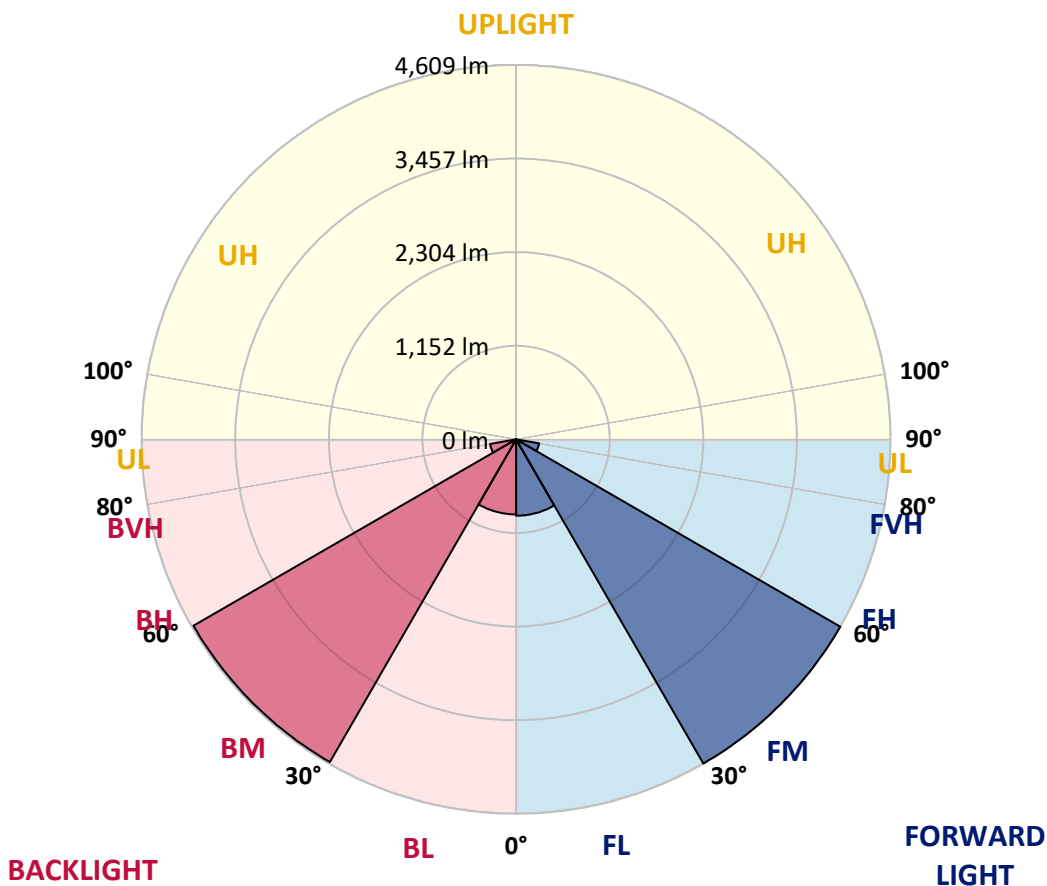
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	940.4	8.1			
FM (30°-60°)	4609.0	39.5			
FH (60°-80°)	287.0	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	924.1	7.9	B2/1000		
BM (30°-60°)	4586.6	39.3	B3/5000		
BH (60°-80°)	325.4	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°	1660.3	1660.3	1660.3	1660.3	1660.3	1660.3	1660.3	1660.3	1660.3	1660.3	1660.3
2.5°	1629.3	1633.2	1638.3	1643.5	1649.9	1656.4	1660.3	1671.9	1669.3	1679.6	1679.6
5°	1611.2	1615.1	1621.5	1633.2	1647.4	1661.6	1671.9	1695.1	1708.0	1728.7	1736.4
7.5°	1620.2	1625.4	1633.2	1651.2	1673.2	1695.1	1706.7	1744.2	1770.0	1808.7	1830.7
10°	1649.9	1655.1	1668.0	1699.0	1727.4	1758.4	1772.6	1820.4	1861.7	1914.6	1945.6
12.5°	1683.5	1690.0	1715.8	1762.3	1811.3	1852.6	1872.0	1924.9	1967.5	2026.9	2076.0
15°	1718.4	1728.7	1768.7	1837.1	1906.9	1962.4	1983.0	2039.8	2082.4	2145.7	2201.2
17.5°	1799.7	1811.3	1856.5	1930.1	2025.6	2090.2	2108.3	2167.6	2199.9	2242.5	2300.6
20°	1901.7	1923.6	1979.2	2068.2	2172.8	2234.8	2247.7	2305.8	2303.2	2321.3	2371.6
22.5°	2028.2	2043.7	2104.4	2210.3	2327.7	2396.2	2425.9	2450.4	2418.1	2402.6	2434.9
25°	2159.9	2178.0	2243.8	2360.0	2491.7	2570.5	2595.0	2614.3	2562.7	2504.6	2508.5
27.5°	2330.3	2343.2	2407.8	2531.7	2663.4	2752.5	2774.4	2808.0	2739.6	2646.6	2620.8
30°	2533.0	2545.9	2614.3	2744.7	2875.1	2951.3	2984.9	3026.2	2951.3	2835.1	2805.4
32.5°	2770.6	2783.5	2871.3	3005.5	3112.7	3195.3	3227.6	3271.5	3212.1	3081.7	3048.1
35°	3054.6	3062.3	3165.6	3311.5	3425.1	3505.2	3527.1	3578.7	3512.9	3382.5	3364.4
37.5°	3383.8	3392.8	3505.2	3674.3	3790.5	3879.6	3914.4	3928.6	3848.6	3702.7	3688.5
40°	3745.3	3775.0	3884.7	4066.8	4197.2	4309.5	4340.5	4292.7	4180.4	3981.6	3955.7
42.5°	4122.3	4148.1	4270.7	4468.3	4619.3	4734.2	4735.5	4632.2	4441.2	4166.2	4127.4
45°	4436.0	4446.3	4605.1	4803.9	4989.9	5071.2	5078.9	4891.7	4603.8	4273.3	4190.7
47.5°	4651.6	4668.4	4806.5	4997.6	5202.9	5276.5	5261.0	5027.3	4681.3	4343.0	4206.2
50°	4654.2	4682.6	4832.3	5017.0	5215.8	5304.9	5282.9	5066.0	4725.2	4345.6	4168.8
52.5°	4242.3	4288.8	4532.8	4800.1	5104.8	5257.1	5262.3	5116.4	4708.4	4304.3	4135.2
55°	3200.5	3250.8	3558.1	4013.8	4602.5	5027.3	5100.9	5057.0	4689.0	4322.4	4194.6
57.5°	1693.8	1655.1	1825.5	2277.4	3017.1	3768.5	3984.1	4335.3	4473.4	4344.3	4304.3
60°	369.2	393.8	524.2	706.2	1177.4	1772.6	1983.0	2584.7	3299.9	3617.5	3847.3
62.5°	158.8	156.2	162.7	184.6	269.8	449.3	548.7	896.0	1413.7	1941.7	2299.3
65°	130.4	131.7	136.8	136.8	127.8	129.1	135.6	205.3	330.5	463.5	622.3
67.5°	98.1	99.4	108.4	111.0	104.6	93.0	91.7	77.5	81.3	102.0	105.9
70°	62.0	62.0	67.1	69.7	69.7	64.6	63.3	55.5	54.2	62.0	69.7
72.5°	33.6	33.6	36.1	37.4	36.1	34.9	34.9	33.6	32.3	37.4	47.8
75°	14.2	14.2	15.5	15.5	14.2	14.2	14.2	14.2	14.2	16.8	25.8
77.5°	2.6	3.9	5.2	3.9	2.6	2.6	2.6	3.9	3.9	5.2	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°	1660.3	1660.3	1660.3	1660.3	1660.3	1660.3	1660.3	1660.3	1660.3	1660.3	1660.3
2.5°	1688.7	1674.5	1679.6	1682.2	1678.3	1675.8	1661.6	1657.7	1651.2	1640.9	1638.3
5°	1745.5	1733.9	1732.6	1724.8	1706.7	1684.8	1657.7	1646.1	1633.2	1620.2	1617.7
7.5°	1841.0	1826.8	1817.8	1792.0	1750.6	1715.8	1670.6	1646.1	1629.3	1612.5	1608.6
10°	1963.7	1946.9	1921.1	1873.3	1817.8	1767.4	1714.5	1682.2	1656.4	1633.2	1631.9
12.5°	2094.1	2076.0	2029.5	1968.8	1901.7	1855.2	1788.1	1742.9	1704.2	1669.3	1665.4
15°	2230.9	2209.0	2145.7	2073.4	2011.4	1963.7	1890.1	1817.8	1758.4	1708.0	1702.9
17.5°	2335.5	2308.4	2233.5	2179.3	2128.9	2079.9	1997.2	1901.7	1822.9	1762.3	1748.1
20°	2401.3	2375.5	2304.5	2274.8	2251.6	2216.7	2118.6	2019.2	1931.4	1856.5	1843.6
22.5°	2464.6	2433.6	2371.6	2371.6	2389.7	2375.5	2269.6	2156.0	2052.7	1966.2	1946.9
25°	2535.6	2511.1	2467.2	2503.3	2548.5	2547.2	2438.8	2296.8	2178.0	2081.1	2061.8
27.5°	2638.9	2614.3	2598.9	2667.3	2724.1	2720.2	2601.4	2447.8	2322.6	2227.0	2209.0
30°	2820.9	2797.7	2780.9	2863.5	2935.8	2908.7	2778.3	2629.8	2503.3	2394.9	2382.0
32.5°	3063.6	3039.1	3017.1	3099.8	3164.3	3129.5	3005.5	2866.1	2720.2	2614.3	2588.5
35°	3382.5	3330.9	3308.9	3407.0	3434.2	3395.4	3276.6	3154.0	2999.1	2877.7	2860.9
37.5°	3711.7	3651.0	3635.6	3720.8	3764.7	3750.5	3611.0	3483.2	3315.4	3181.1	3161.7
40°	3993.2	3937.7	3910.5	4043.5	4142.9	4152.0	4026.7	3870.5	3673.0	3533.6	3498.7
42.5°	4158.4	4110.7	4104.2	4310.8	4473.4	4589.6	4439.9	4278.5	4070.6	3913.1	3884.7
45°	4195.9	4164.9	4219.1	4490.2	4743.3	4955.0	4827.2	4656.8	4432.1	4265.6	4238.5
47.5°	4192.0	4181.7	4278.5	4583.2	4903.4	5164.1	5100.9	4908.5	4691.6	4517.3	4491.5
50°	4136.5	4137.8	4299.1	4629.7	4967.9	5220.9	5157.7	4979.5	4785.9	4614.2	4593.5
52.5°	4114.5	4106.8	4260.4	4615.5	5033.7	5195.1	5053.1	4853.0	4637.4	4425.7	4394.7
55°	4192.0	4172.6	4265.6	4603.8	5041.5	5180.9	4806.5	4372.7	3931.2	3680.7	3660.1
57.5°	4308.2	4287.5	4331.4	4518.6	4637.4	4308.2	3537.4	2837.7	2383.3	2190.9	2107.0
60°	3847.3	3833.1	3799.5	3573.6	3064.9	2312.2	1575.1	1004.4	721.7	583.5	583.5
62.5°	2387.1	2367.8	2185.7	1624.1	1180.0	683.0	375.7	235.0	178.2	166.5	165.3
65°	670.0	666.2	551.3	389.9	247.9	153.6	135.6	138.1	135.6	131.7	130.4
67.5°	100.7	111.0	111.0	90.4	86.5	96.8	113.6	121.4	114.9	108.4	105.9
70°	64.6	69.7	67.1	58.1	62.0	72.3	81.3	82.6	78.8	72.3	71.0
72.5°	45.2	50.4	41.3	37.4	38.7	42.6	46.5	46.5	45.2	42.6	40.0
75°	27.1	27.1	19.4	18.1	18.1	19.4	19.4	21.9	21.9	20.7	19.4
77.5°	9.0	10.3	6.5	5.2	5.2	5.2	6.5	7.7	7.7	6.5	5.2
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)