

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: P639291

Luminaire Tested: GWS-SA5B-750-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639291
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11771.7 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

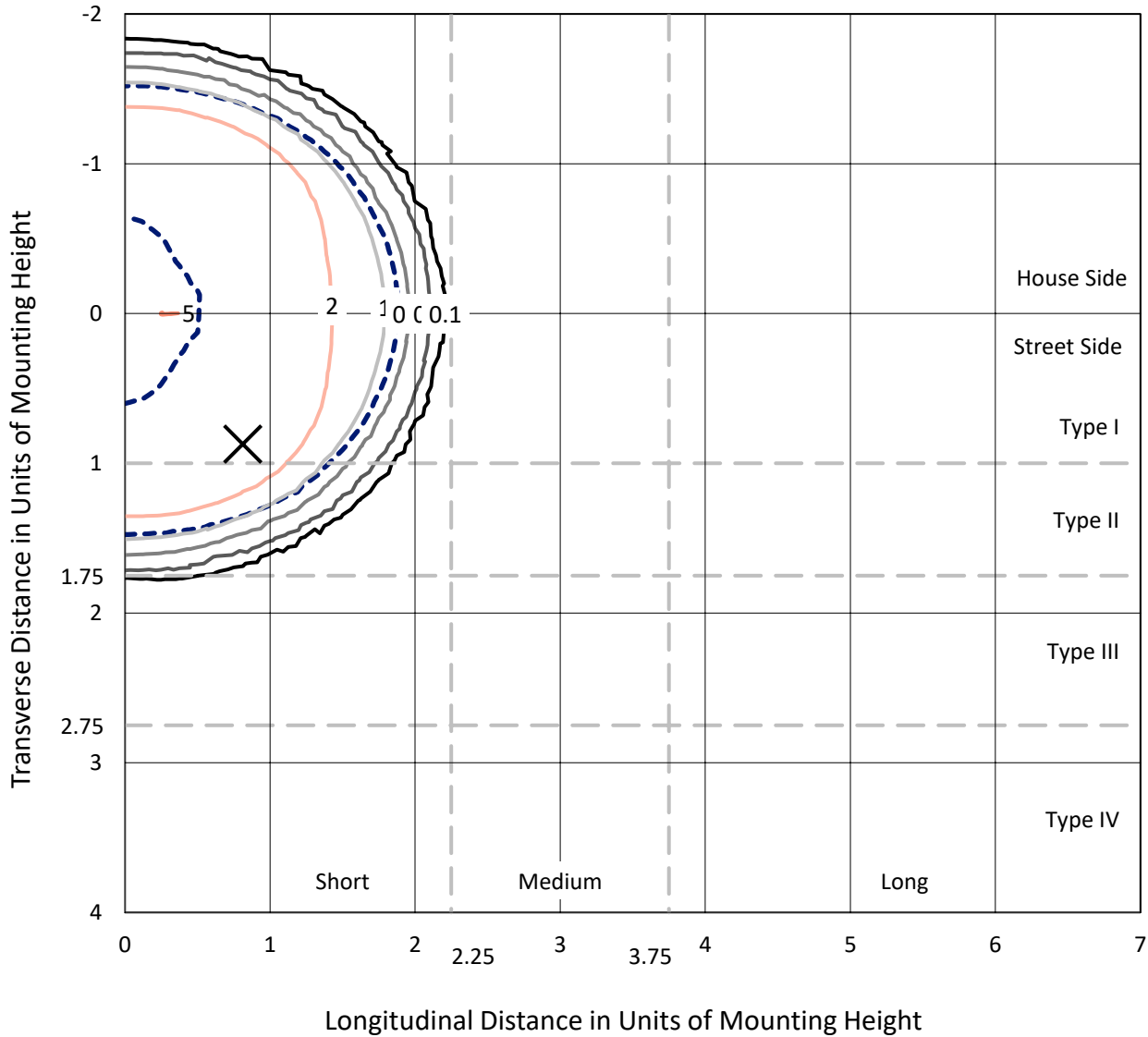
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

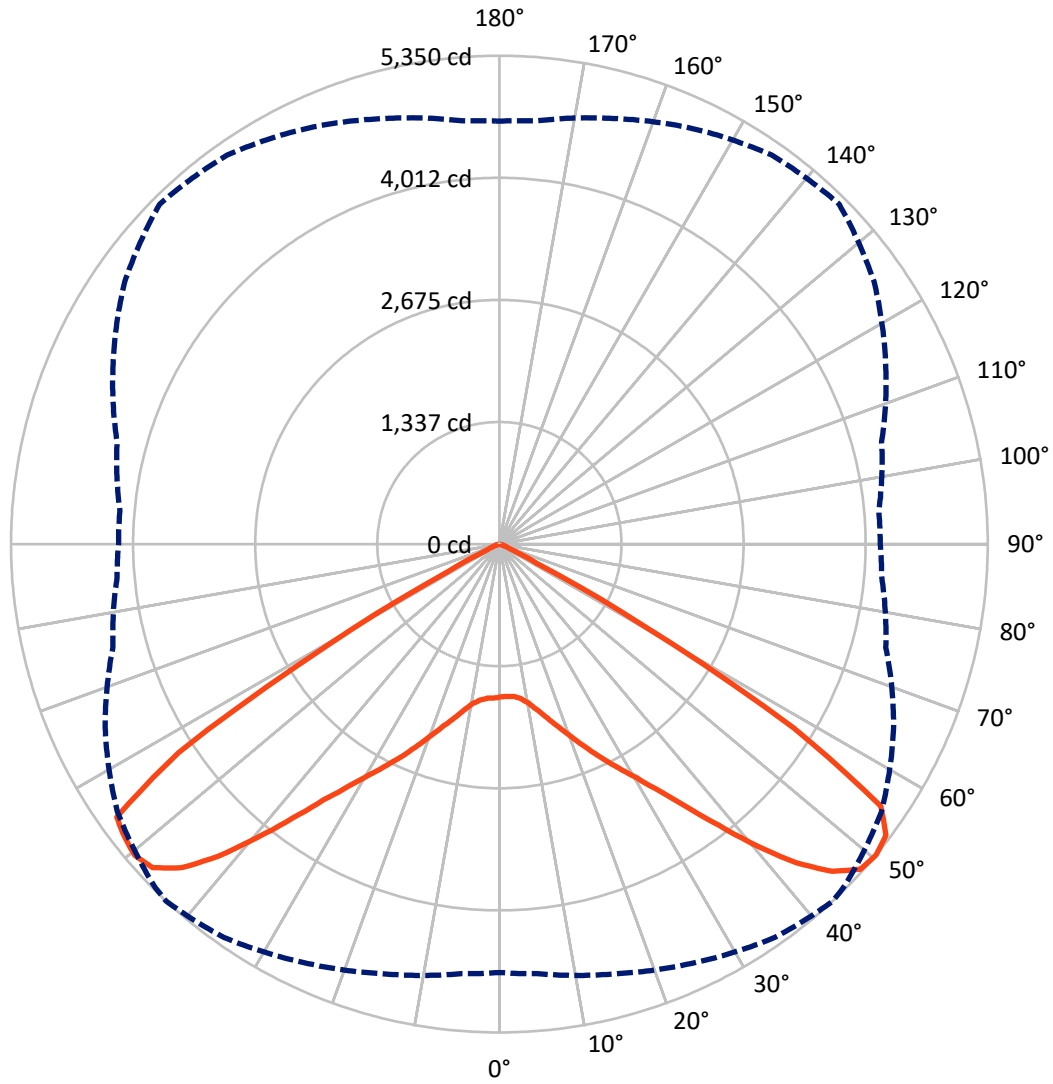
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 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	5885.7	0.0	5885.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5886.0	0.0	5886.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11771.7	0.0	11771.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.9	1.4
10°-20°	567.4	4.8
20°-30°	1148.0	9.8
30°-40°	2129.9	18.1
40°-50°	3535.5	30.0
50°-60°	3608.1	30.7
60°-70°	591.7	5.0
70°-80°	25.9	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°	11771.7	100.0
0°-180°	11771.7	100.0

Coefficient of Utilization

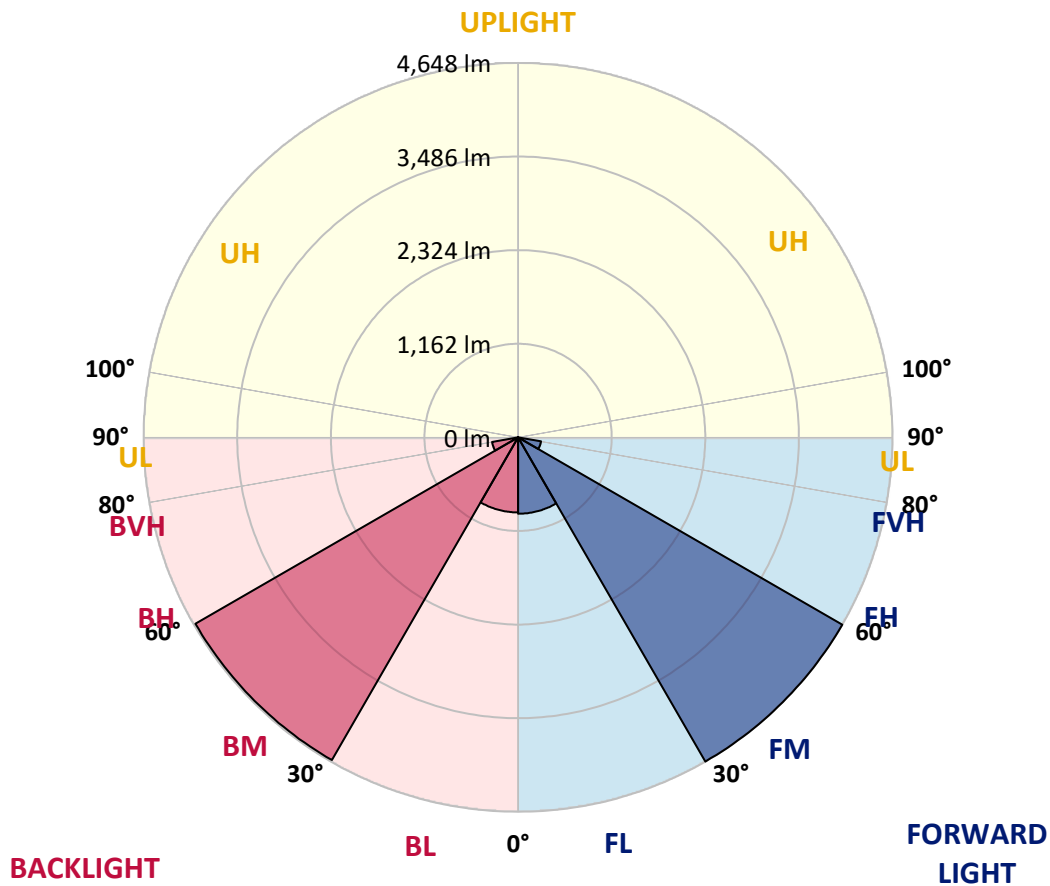


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	948.4	8.1			
FM (30°-60°)	4648.0	39.5			
FH (60°-80°)	289.5	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	931.9	7.9	B2/1000		
BM (30°-60°)	4625.4	39.3	B3/5000		
BH (60°-80°)	328.1	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°	1674.3	1674.3	1674.3	1674.3	1674.3	1674.3	1674.3	1674.3	1674.3	1674.3	1674.3
2.5°	1643.1	1647.0	1652.2	1657.4	1663.9	1670.4	1674.3	1686.1	1683.5	1693.9	1693.9
5°	1624.9	1628.8	1635.3	1647.0	1661.3	1675.6	1686.1	1709.5	1722.5	1743.3	1751.2
7.5°	1634.0	1639.2	1647.0	1665.2	1687.4	1709.5	1721.2	1759.0	1785.0	1824.1	1846.2
10°	1663.9	1669.1	1682.1	1713.4	1742.0	1773.3	1787.6	1835.8	1877.4	1930.8	1962.1
12.5°	1697.8	1704.3	1730.3	1777.2	1826.7	1868.3	1887.9	1941.2	1984.2	2044.1	2093.6
15°	1732.9	1743.3	1783.7	1852.7	1923.0	1979.0	1999.8	2057.1	2100.1	2163.9	2219.9
17.5°	1815.0	1826.7	1872.2	1946.5	2042.8	2107.9	2126.1	2186.0	2218.6	2261.5	2320.1
20°	1917.8	1939.9	1995.9	2085.8	2191.2	2253.7	2266.7	2325.3	2322.7	2340.9	2391.7
22.5°	2045.4	2061.0	2122.2	2229.0	2347.5	2416.5	2446.4	2471.1	2438.6	2423.0	2455.5
25°	2178.2	2196.4	2262.8	2380.0	2512.8	2592.2	2617.0	2636.5	2584.4	2525.8	2529.7
27.5°	2350.1	2363.1	2428.2	2553.2	2686.0	2775.8	2797.9	2831.8	2762.8	2669.0	2643.0
30°	2554.5	2567.5	2636.5	2768.0	2899.5	2976.3	3010.2	3051.8	2976.3	2859.1	2829.2
32.5°	2794.0	2807.1	2895.6	3031.0	3139.1	3222.4	3254.9	3299.2	3239.3	3107.8	3074.0
35°	3080.5	3088.3	3192.4	3339.6	3454.1	3534.9	3557.0	3609.1	3542.7	3411.2	3392.9
37.5°	3412.5	3421.6	3534.9	3705.4	3822.6	3912.4	3947.6	3961.9	3881.2	3734.1	3719.7
40°	3777.0	3807.0	3917.6	4101.2	4232.7	4346.0	4377.2	4329.1	4215.8	4015.3	3989.2
42.5°	4157.2	4183.2	4306.9	4506.1	4658.5	4774.3	4775.6	4671.5	4478.8	4201.5	4162.4
45°	4473.6	4484.0	4644.1	4844.6	5032.1	5114.2	5122.0	4933.2	4642.8	4309.5	4226.2
47.5°	4691.0	4707.9	4847.2	5039.9	5247.0	5321.2	5305.5	5069.9	4721.0	4379.8	4241.8
50°	4693.6	4722.3	4873.3	5059.5	5260.0	5349.8	5327.7	5108.9	4765.2	4382.4	4204.1
52.5°	4278.3	4325.2	4571.2	4840.7	5148.0	5301.6	5306.8	5159.7	4748.3	4340.8	4170.2
55°	3227.6	3278.4	3588.2	4047.8	4641.5	5069.9	5144.1	5099.8	4728.8	4359.0	4230.1
57.5°	1708.2	1669.1	1841.0	2296.7	3042.7	3800.5	4017.9	4372.0	4511.3	4381.1	4340.8
60°	372.4	397.1	528.6	712.2	1187.4	1787.6	1999.8	2606.6	3327.8	3648.1	3879.9
62.5°	160.1	157.5	164.0	186.2	272.1	453.1	553.3	903.6	1425.7	1958.2	2318.8
65°	131.5	132.8	138.0	138.0	128.9	130.2	136.7	207.0	333.3	467.4	627.6
67.5°	98.9	100.3	109.4	112.0	105.5	93.7	92.4	78.1	82.0	102.9	106.8
70°	62.5	62.5	67.7	70.3	70.3	65.1	63.8	56.0	54.7	62.5	70.3
72.5°	33.9	33.9	36.5	37.8	36.5	35.2	35.2	33.9	32.5	37.8	48.2
75°	14.3	14.3	15.6	15.6	14.3	14.3	14.3	14.3	14.3	16.9	26.0
77.5°	2.6	3.9	5.2	3.9	2.6	2.6	2.6	3.9	3.9	5.2	7.8
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°	1674.3	1674.3	1674.3	1674.3	1674.3	1674.3	1674.3	1674.3	1674.3	1674.3	1674.3
2.5°	1703.0	1688.7	1693.9	1696.5	1692.6	1690.0	1675.6	1671.7	1665.2	1654.8	1652.2
5°	1760.3	1748.6	1747.2	1739.4	1721.2	1699.1	1671.7	1660.0	1647.0	1634.0	1631.4
7.5°	1856.6	1842.3	1833.2	1807.1	1765.5	1730.3	1684.8	1660.0	1643.1	1626.2	1622.3
10°	1980.3	1963.4	1937.3	1889.2	1833.2	1782.4	1729.0	1696.5	1670.4	1647.0	1645.7
12.5°	2111.8	2093.6	2046.7	1985.5	1917.8	1870.9	1803.2	1757.7	1718.6	1683.5	1679.5
15°	2249.8	2227.7	2163.9	2091.0	2028.5	1980.3	1906.1	1833.2	1773.3	1722.5	1717.3
17.5°	2355.3	2327.9	2252.4	2197.7	2147.0	2097.5	2014.2	1917.8	1838.4	1777.2	1762.9
20°	2421.7	2395.6	2324.0	2294.1	2270.6	2235.5	2136.5	2036.3	1947.8	1872.2	1859.2
22.5°	2485.5	2454.2	2391.7	2391.7	2410.0	2395.6	2288.9	2174.3	2070.1	1982.9	1963.4
25°	2557.1	2532.3	2488.1	2524.5	2570.1	2568.8	2459.4	2316.2	2196.4	2098.8	2079.3
27.5°	2661.2	2636.5	2620.9	2689.9	2747.2	2743.3	2623.5	2468.5	2342.3	2245.9	2227.7
30°	2844.8	2821.4	2804.5	2887.8	2960.7	2933.3	2801.8	2652.1	2524.5	2415.2	2402.1
32.5°	3089.6	3064.8	3042.7	3126.0	3191.1	3156.0	3031.0	2890.4	2743.3	2636.5	2610.5
35°	3411.2	3359.1	3337.0	3435.9	3463.2	3424.2	3304.4	3180.7	3024.5	2902.1	2885.2
37.5°	3743.2	3682.0	3666.4	3752.3	3796.6	3782.2	3641.6	3512.7	3343.5	3208.1	3188.5
40°	4027.0	3971.0	3943.7	4077.8	4178.0	4187.1	4060.9	3903.3	3704.1	3563.5	3528.3
42.5°	4193.7	4145.5	4139.0	4347.3	4511.3	4628.5	4477.5	4314.7	4105.1	3946.3	3917.6
45°	4231.4	4200.2	4254.8	4528.3	4783.5	4997.0	4868.1	4696.2	4469.7	4301.7	4274.4
47.5°	4227.5	4217.1	4314.7	4622.0	4944.9	5207.9	5144.1	4950.1	4731.4	4555.6	4529.6
50°	4171.5	4172.8	4335.6	4668.9	5010.0	5265.2	5201.4	5021.7	4826.4	4653.3	4632.4
52.5°	4149.4	4141.6	4296.5	4654.6	5076.4	5239.1	5095.9	4894.1	4676.7	4463.2	4431.9
55°	4227.5	4208.0	4301.7	4642.8	5084.2	5224.8	4847.2	4409.8	3964.5	3711.9	3691.1
57.5°	4344.7	4323.9	4368.1	4556.9	4676.7	4344.7	3567.4	2861.7	2403.4	2209.4	2124.8
60°	3879.9	3865.6	3831.7	3603.9	3090.9	2331.8	1588.4	1012.9	727.8	588.5	588.5
62.5°	2407.3	2387.8	2204.2	1637.9	1190.0	688.7	378.9	237.0	179.7	168.0	166.7
65°	675.7	671.8	555.9	393.2	250.0	154.9	136.7	139.3	136.7	132.8	131.5
67.5°	101.6	112.0	112.0	91.1	87.2	97.6	114.6	122.4	115.9	109.4	106.8
70°	65.1	70.3	67.7	58.6	62.5	72.9	82.0	83.3	79.4	72.9	71.6
72.5°	45.6	50.8	41.7	37.8	39.1	43.0	46.9	46.9	45.6	43.0	40.4
75°	27.3	27.3	19.5	18.2	18.2	19.5	19.5	22.1	22.1	20.8	19.5
77.5°	9.1	10.4	6.5	5.2	5.2	5.2	6.5	7.8	7.8	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)