

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: P635221

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635221
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-SA3D-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11249.5 lumens
Efficiency: N/A
Efficacy: 93.1 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

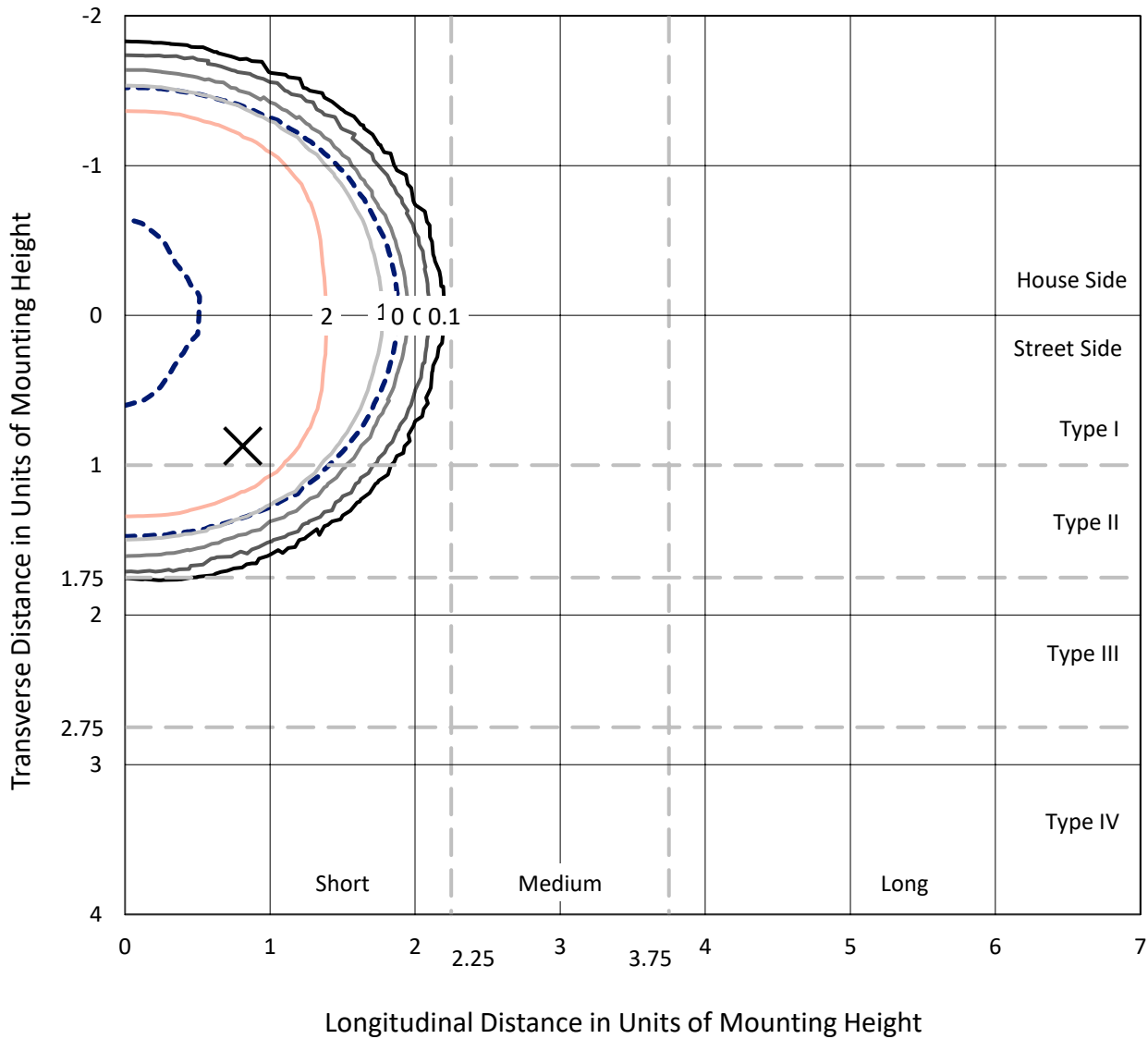
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635221
 CATALOG NUMBER: GWS-SA3D-735-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

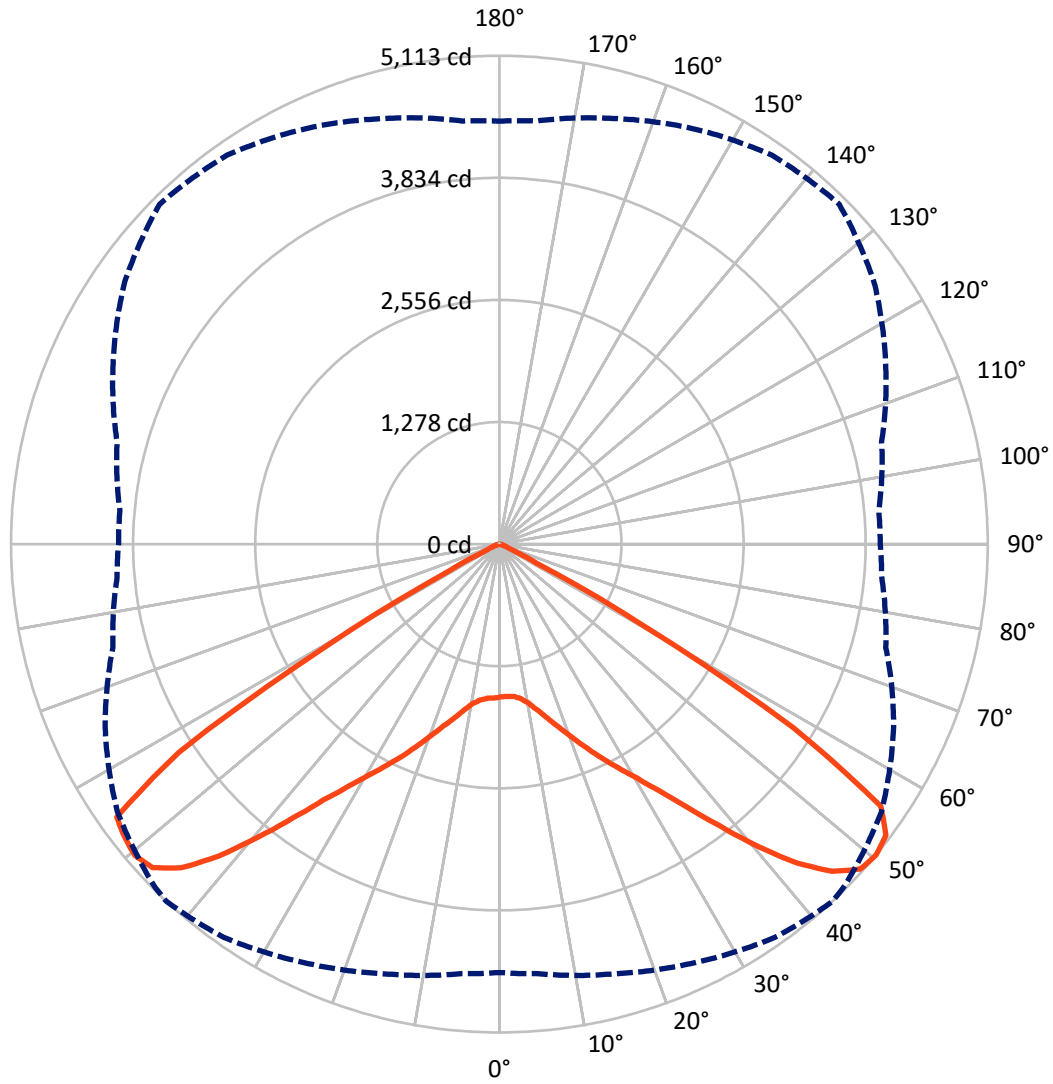
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P635221
CATALOG NUMBER: GWS-SA3D-735-U-RW-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635221

CATALOG NUMBER: GWS-SA3D-735-U-RW-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5624.6	0.0	5624.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5624.9	0.0	5624.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	11249.5	0.0	11249.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.6	1.4
10°-20°	542.2	4.8
20°-30°	1097.0	9.8
30°-40°	2035.4	18.1
40°-50°	3378.7	30.0
50°-60°	3448.0	30.7
60°-70°	565.4	5.0
70°-80°	24.8	0.2
80°-90°	0.3	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°	11249.5	100.0
0°-180°	11249.5	100.0

Coefficient of Utilization



REPORT NUMBER: P635221

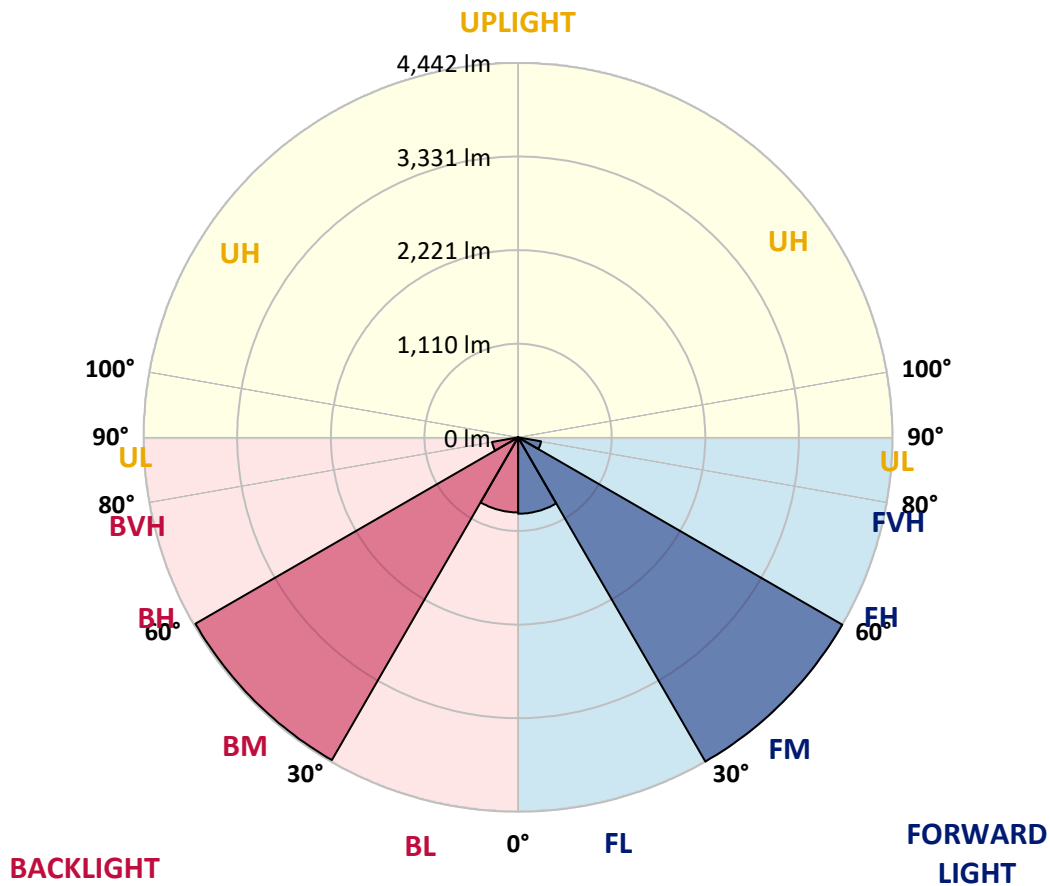
CATALOG NUMBER: GWS-SA3D-735-U-RW-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	906.3	8.1			
FM (30°-60°)	4441.8	39.5			
FH (60°-80°)	276.6	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	890.6	7.9	B2/1000		
BM (30°-60°)	4420.3	39.3	B3/5000		
BH (60°-80°)	313.6	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





REPORT NUMBER: P635221

CATALOG NUMBER: GWS-SA3D-735-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1
2.5°	1570.2	1573.9	1578.9	1583.9	1590.1	1596.3	1600.1	1611.3	1608.8	1618.7	1618.7
5°	1552.8	1556.5	1562.7	1573.9	1587.6	1601.3	1611.3	1633.7	1646.1	1666.0	1673.5
7.5°	1561.5	1566.5	1573.9	1591.4	1612.5	1633.7	1644.9	1680.9	1705.8	1743.1	1764.3
10°	1590.1	1595.1	1607.5	1637.4	1664.8	1694.6	1708.3	1754.3	1794.2	1845.2	1875.0
12.5°	1622.5	1628.7	1653.6	1698.4	1745.6	1785.5	1804.1	1855.1	1896.2	1953.4	2000.7
15°	1656.1	1666.0	1704.6	1770.5	1837.7	1891.2	1911.1	1965.9	2006.9	2067.9	2121.4
17.5°	1734.4	1745.6	1789.2	1860.1	1952.2	2014.4	2031.8	2089.0	2120.1	2161.2	2217.2
20°	1832.7	1853.9	1907.4	1993.2	2094.0	2153.7	2166.2	2222.2	2219.7	2237.1	2285.6
22.5°	1954.7	1969.6	2028.1	2130.1	2243.3	2309.3	2337.9	2361.5	2330.4	2315.5	2346.6
25°	2081.6	2099.0	2162.4	2274.4	2401.3	2477.2	2500.9	2519.5	2469.8	2413.8	2417.5
27.5°	2245.8	2258.3	2320.5	2439.9	2566.8	2652.7	2673.8	2706.2	2640.2	2550.6	2525.8
30°	2441.2	2453.6	2519.5	2645.2	2770.9	2844.3	2876.6	2916.4	2844.3	2732.3	2703.7
32.5°	2670.1	2682.5	2767.1	2896.5	2999.8	3079.4	3110.5	3152.8	3095.6	2969.9	2937.6
35°	2943.8	2951.3	3050.8	3191.4	3300.9	3378.0	3399.2	3449.0	3385.5	3259.8	3242.4
37.5°	3261.1	3269.8	3378.0	3541.0	3653.0	3738.9	3772.5	3786.2	3709.0	3568.4	3554.7
40°	3609.5	3638.1	3743.8	3919.3	4045.0	4153.2	4183.1	4137.0	4028.8	3837.2	3812.3
42.5°	3972.8	3997.7	4115.9	4306.2	4451.8	4562.5	4563.8	4464.3	4280.1	4015.1	3977.8
45°	4275.1	4285.1	4438.1	4629.7	4808.9	4887.3	4894.8	4714.3	4436.9	4118.4	4038.7
47.5°	4482.9	4499.1	4632.2	4816.4	5014.2	5085.1	5070.2	4845.0	4511.5	4185.5	4053.7
50°	4485.4	4512.8	4657.1	4835.0	5026.6	5112.5	5091.3	4882.3	4553.8	4188.0	4017.6
52.5°	4088.5	4133.3	4368.4	4626.0	4919.6	5066.5	5071.4	4930.8	4537.7	4148.2	3985.2
55°	3084.4	3132.9	3429.1	3868.3	4435.6	4845.0	4915.9	4873.6	4519.0	4165.6	4042.5
57.5°	1632.4	1595.1	1759.3	2194.8	2907.7	3631.9	3839.7	4178.1	4311.2	4186.8	4148.2
60°	355.8	379.5	505.2	680.6	1134.7	1708.3	1911.1	2490.9	3180.2	3486.3	3707.8
62.5°	153.0	150.6	156.8	177.9	260.0	433.0	528.8	863.5	1362.4	1871.3	2216.0
65°	125.7	126.9	131.9	131.9	123.2	124.4	130.6	197.8	318.5	446.7	599.7
67.5°	94.6	95.8	104.5	107.0	100.8	89.6	88.3	74.7	78.4	98.3	102.0
70°	59.7	59.7	64.7	67.2	67.2	62.2	61.0	53.5	52.3	59.7	67.2
72.5°	32.3	32.3	34.8	36.1	34.8	33.6	33.6	32.3	31.1	36.1	46.0
75°	13.7	13.7	14.9	14.9	13.7	13.7	13.7	13.7	13.7	16.2	24.9
77.5°	2.5	3.7	5.0	3.7	2.5	2.5	2.5	3.7	3.7	5.0	7.5
80°	1.2	1.2	2.5	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
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



REPORT NUMBER: P635221

CATALOG NUMBER: GWS-SA3D-735-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1
2.5°	1627.4	1613.7	1618.7	1621.2	1617.5	1615.0	1601.3	1597.6	1591.4	1581.4	1578.9
5°	1682.2	1671.0	1669.7	1662.3	1644.9	1623.7	1597.6	1586.4	1573.9	1561.5	1559.0
7.5°	1774.3	1760.6	1751.9	1727.0	1687.2	1653.6	1610.0	1586.4	1570.2	1554.0	1550.3
10°	1892.5	1876.3	1851.4	1805.4	1751.9	1703.3	1652.3	1621.2	1596.3	1573.9	1572.7
12.5°	2018.1	2000.7	1955.9	1897.4	1832.7	1787.9	1723.2	1679.7	1642.4	1608.8	1605.0
15°	2150.0	2128.9	2067.9	1998.2	1938.5	1892.5	1821.5	1751.9	1694.6	1646.1	1641.1
17.5°	2250.8	2224.7	2152.5	2100.2	2051.7	2004.4	1924.8	1832.7	1756.8	1698.4	1684.7
20°	2314.2	2289.4	2220.9	2192.3	2169.9	2136.3	2041.8	1946.0	1861.3	1789.2	1776.7
22.5°	2375.2	2345.3	2285.6	2285.6	2303.0	2289.4	2187.3	2077.8	1978.3	1894.9	1876.3
25°	2443.6	2420.0	2377.7	2412.5	2456.1	2454.8	2350.3	2213.5	2099.0	2005.7	1987.0
27.5°	2543.2	2519.5	2504.6	2570.6	2625.3	2621.6	2507.1	2359.0	2238.3	2146.3	2128.9
30°	2718.6	2696.2	2680.0	2759.7	2829.4	2803.2	2677.6	2534.5	2412.5	2308.0	2295.6
32.5°	2952.5	2928.9	2907.7	2987.4	3049.6	3016.0	2896.5	2762.2	2621.6	2519.5	2494.7
35°	3259.8	3210.1	3188.9	3283.5	3309.6	3272.3	3157.8	3039.6	2890.3	2773.4	2757.2
37.5°	3577.1	3518.6	3503.7	3585.8	3628.1	3614.5	3480.1	3356.9	3195.2	3065.8	3047.1
40°	3848.4	3794.9	3768.7	3896.9	3992.7	4001.4	3880.7	3730.2	3539.8	3405.4	3371.8
42.5°	4007.6	3961.6	3955.4	4154.4	4311.2	4423.2	4278.9	4123.3	3923.0	3771.2	3743.8
45°	4043.7	4013.8	4066.1	4327.4	4571.3	4775.3	4652.1	4487.9	4271.4	4110.9	4084.8
47.5°	4040.0	4030.0	4123.3	4417.0	4725.5	4976.9	4915.9	4730.5	4521.5	4353.5	4328.6
50°	3986.5	3987.7	4143.2	4461.8	4787.7	5031.6	4970.6	4798.9	4612.3	4446.8	4426.9
52.5°	3965.3	3957.9	4105.9	4448.1	4851.2	5006.7	4869.9	4677.0	4469.2	4265.2	4235.3
55°	4040.0	4021.3	4110.9	4436.9	4858.7	4993.0	4632.2	4214.2	3788.6	3547.3	3527.4
57.5°	4152.0	4132.0	4174.3	4354.8	4469.2	4152.0	3409.2	2734.8	2296.8	2111.4	2030.6
60°	3707.8	3694.1	3661.7	3444.0	2953.8	2228.4	1517.9	968.0	695.5	562.4	562.4
62.5°	2300.6	2281.9	2106.5	1565.2	1137.2	658.2	362.1	226.4	171.7	160.5	159.3
65°	645.7	642.0	531.3	375.8	238.9	148.1	130.6	133.1	130.6	126.9	125.7
67.5°	97.0	107.0	107.0	87.1	83.4	93.3	109.5	117.0	110.7	104.5	102.0
70°	62.2	67.2	64.7	56.0	59.7	69.7	78.4	79.6	75.9	69.7	68.4
72.5°	43.5	48.5	39.8	36.1	37.3	41.1	44.8	44.8	43.5	41.1	38.6
75°	26.1	26.1	18.7	17.4	17.4	18.7	18.7	21.2	21.2	19.9	18.7
77.5°	8.7	10.0	6.2	5.0	5.0	5.0	6.2	7.5	7.5	6.2	5.0
80°	1.2	2.5	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	1.2
82.5°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
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)