

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: P635551

Luminaire Tested: GWS-SA3E-722-U-RW-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635551  
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-SA3E-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**

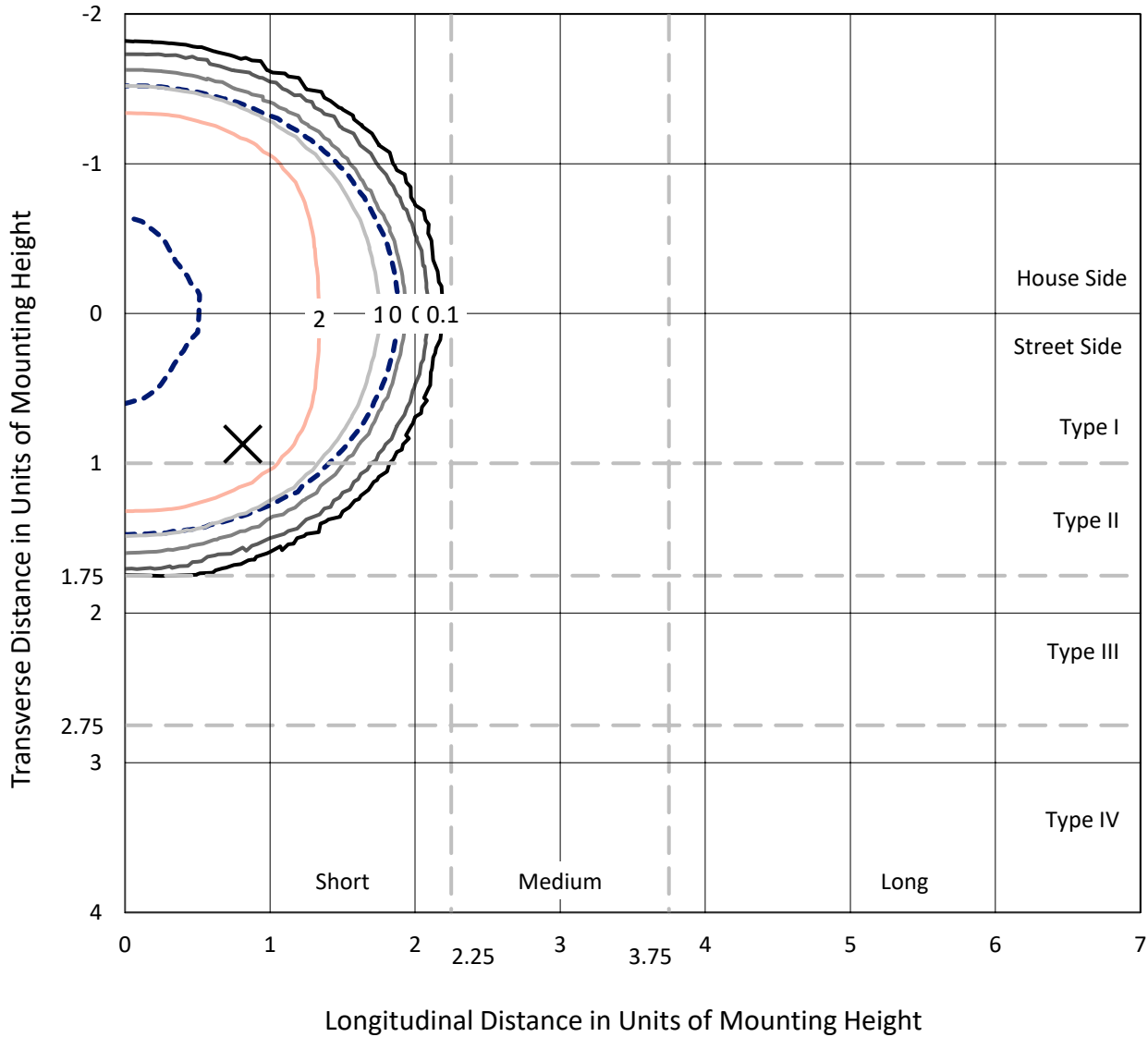
Lumens per Lamp: N/A  
Luminaire Lumens: 10498.9 lumens  
Efficiency: N/A  
Efficacy: 65.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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

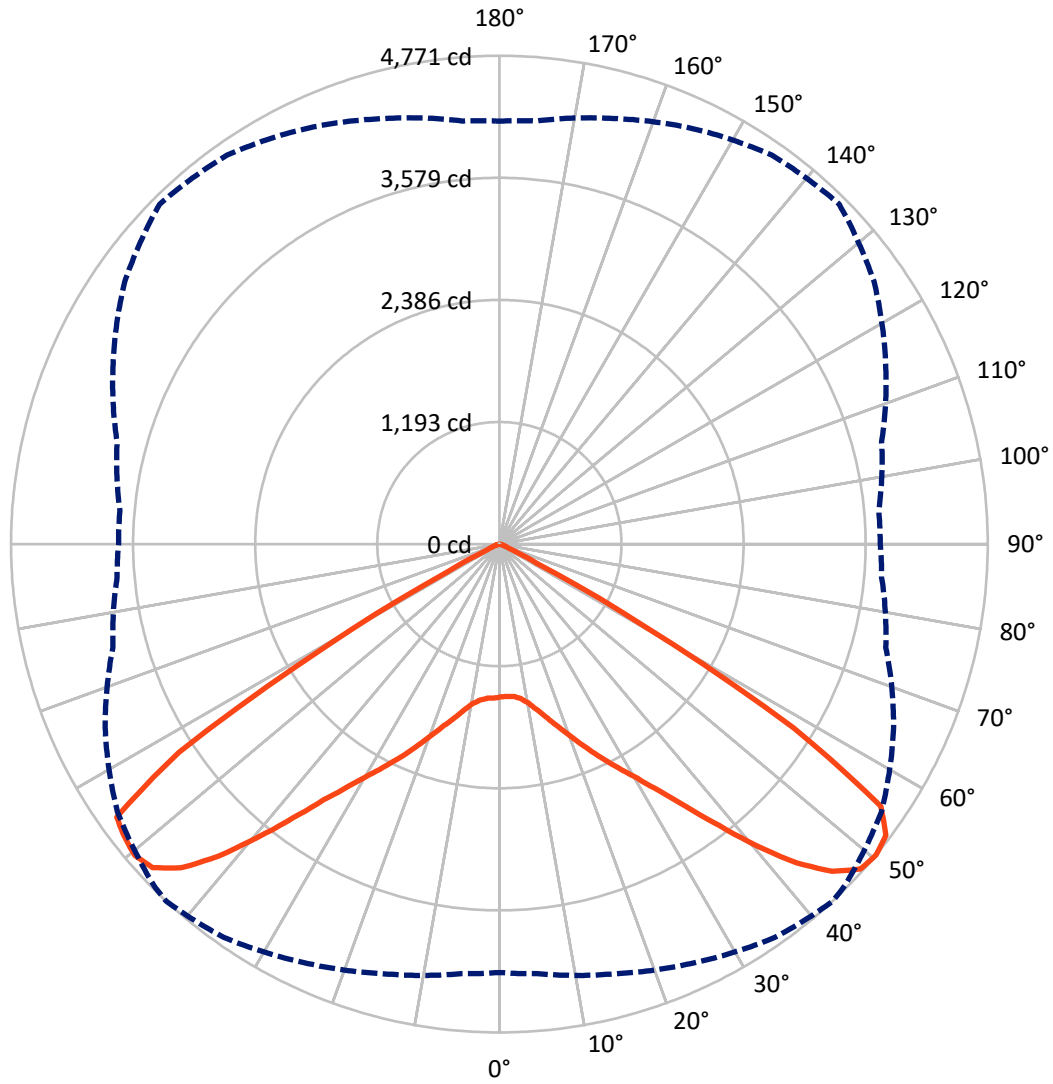
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.5 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
<b>House Side</b>	Lumens	5249.3	0.0	5249.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5249.6	0.0	5249.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10498.9	0.0	10498.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.1	1.4
10°-20°	506.1	4.8
20°-30°	1023.8	9.8
30°-40°	1899.6	18.1
40°-50°	3153.2	30.0
50°-60°	3218.0	30.7
60°-70°	527.7	5.0
70°-80°	23.1	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°	10498.9	100.0
0°-180°	10498.9	100.0

**Coefficient of Utilization**

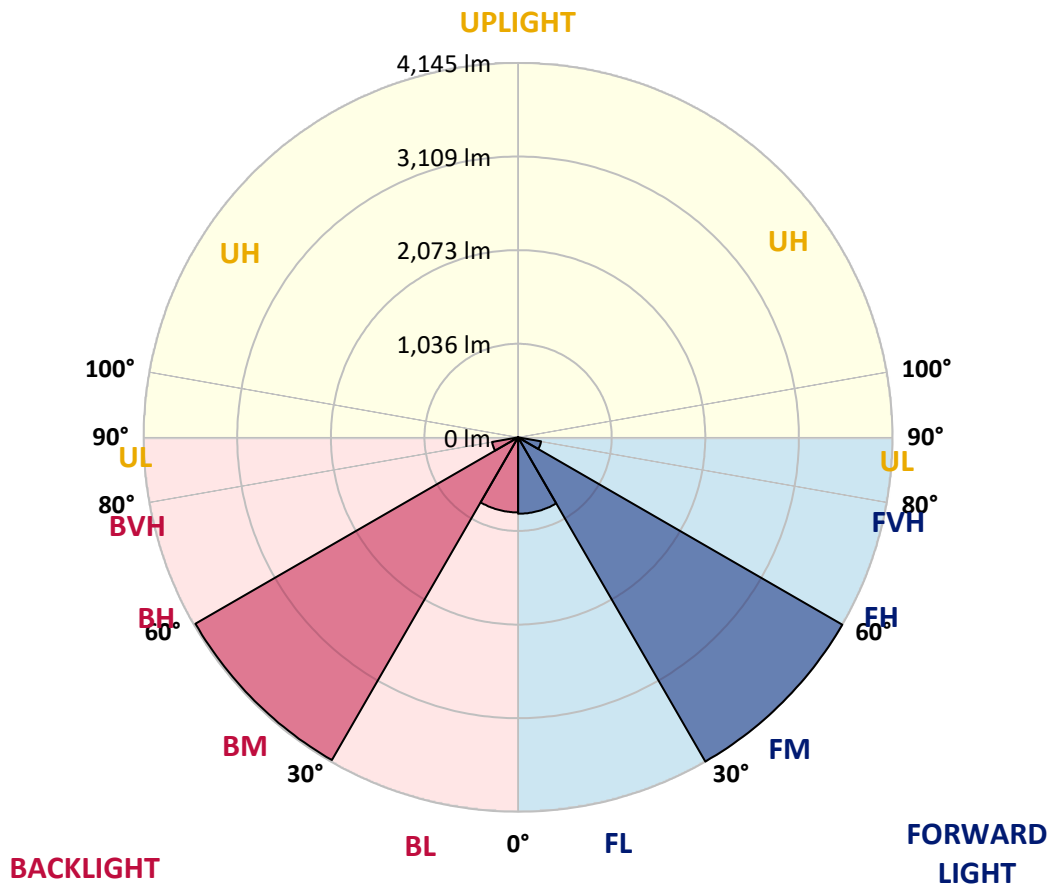


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	845.8	8.1			
FM (30°-60°)	4145.5	39.5			
FH (60°-80°)	258.2	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	831.1	7.9	B2/1000		
BM (30°-60°)	4125.3	39.3	B3/5000		
BH (60°-80°)	292.7	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°	1493.3	1493.3	1493.3	1493.3	1493.3	1493.3	1493.3	1493.3	1493.3	1493.3	1493.3
2.5°	1465.4	1468.9	1473.6	1478.2	1484.0	1489.8	1493.3	1503.8	1501.4	1510.7	1510.7
5°	1449.2	1452.7	1458.5	1468.9	1481.7	1494.5	1503.8	1524.7	1536.3	1554.8	1561.8
7.5°	1457.3	1462.0	1468.9	1485.2	1504.9	1524.7	1535.1	1568.8	1592.0	1626.8	1646.6
10°	1484.0	1488.7	1500.3	1528.1	1553.7	1581.6	1594.3	1637.3	1674.4	1722.1	1749.9
12.5°	1514.2	1520.0	1543.2	1585.0	1629.2	1666.3	1683.7	1731.3	1769.7	1823.1	1867.2
15°	1545.6	1554.8	1590.8	1652.4	1715.1	1765.0	1783.6	1834.7	1873.0	1929.9	1979.8
17.5°	1618.7	1629.2	1669.8	1736.0	1821.9	1880.0	1896.2	1949.7	1978.7	2017.0	2069.3
20°	1710.4	1730.2	1780.1	1860.2	1954.3	2010.0	2021.6	2073.9	2071.6	2087.8	2133.1
22.5°	1824.2	1838.2	1892.8	1988.0	2093.6	2155.2	2181.9	2204.0	2174.9	2161.0	2190.0
25°	1942.7	1958.9	2018.2	2122.7	2241.1	2311.9	2334.0	2351.4	2305.0	2252.7	2256.2
27.5°	2096.0	2107.6	2165.6	2277.1	2395.6	2475.7	2495.4	2525.6	2464.1	2380.5	2357.2
30°	2278.3	2289.9	2351.4	2468.7	2586.0	2654.5	2684.7	2721.9	2654.5	2550.0	2523.3
32.5°	2491.9	2503.5	2582.5	2703.3	2799.7	2874.0	2903.0	2942.5	2889.1	2771.8	2741.6
35°	2747.4	2754.4	2847.3	2978.5	3080.7	3152.7	3172.4	3218.8	3159.6	3042.3	3026.1
37.5°	3043.5	3051.6	3152.7	3304.8	3409.3	3489.4	3520.8	3533.5	3461.5	3330.3	3317.5
40°	3368.6	3395.3	3494.0	3657.8	3775.1	3876.1	3904.0	3861.0	3760.0	3581.1	3557.9
42.5°	3707.7	3730.9	3841.2	4018.9	4154.8	4258.1	4259.3	4166.4	3994.5	3747.2	3712.4
45°	3989.9	3999.2	4142.0	4320.8	4488.0	4561.2	4568.2	4399.8	4140.8	3843.6	3769.3
47.5°	4183.8	4198.9	4323.1	4495.0	4679.6	4745.8	4731.9	4521.7	4210.5	3906.3	3783.2
50°	4186.1	4211.7	4346.4	4512.4	4691.2	4771.4	4751.6	4556.5	4250.0	3908.6	3749.5
52.5°	3815.7	3857.5	4077.0	4317.3	4591.4	4728.4	4733.0	4601.8	4234.9	3871.4	3719.3
55°	2878.6	2923.9	3200.3	3610.2	4139.7	4521.7	4587.9	4548.4	4217.5	3887.7	3772.7
57.5°	1523.5	1488.7	1641.9	2048.4	2713.7	3389.5	3583.5	3899.3	4023.6	3907.4	3871.4
60°	332.1	354.2	471.4	635.2	1059.0	1594.3	1783.6	2324.7	2968.0	3253.7	3460.4
62.5°	142.8	140.5	146.3	166.1	242.7	404.1	493.5	805.9	1271.5	1746.4	2068.1
65°	117.3	118.4	123.1	123.1	115.0	116.1	121.9	184.6	297.3	416.9	559.7
67.5°	88.3	89.4	97.5	99.9	94.1	83.6	82.4	69.7	73.2	91.7	95.2
70°	55.7	55.7	60.4	62.7	62.7	58.1	56.9	49.9	48.8	55.7	62.7
72.5°	30.2	30.2	32.5	33.7	32.5	31.4	31.4	30.2	29.0	33.7	43.0
75°	12.8	12.8	13.9	13.9	12.8	12.8	12.8	12.8	12.8	15.1	23.2
77.5°	2.3	3.5	4.6	3.5	2.3	2.3	2.3	3.5	3.5	4.6	7.0
80°	1.2	1.2	2.3	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1493.3	1493.3	1493.3	1493.3	1493.3	1493.3	1493.3	1493.3	1493.3	1493.3	1493.3
2.5°	1518.8	1506.1	1510.7	1513.0	1509.6	1507.2	1494.5	1491.0	1485.2	1475.9	1473.6
5°	1569.9	1559.5	1558.3	1551.4	1535.1	1515.4	1491.0	1480.5	1468.9	1457.3	1455.0
7.5°	1655.9	1643.1	1635.0	1611.7	1574.6	1543.2	1502.6	1480.5	1465.4	1450.3	1446.9
10°	1766.2	1751.1	1727.9	1684.9	1635.0	1589.7	1542.1	1513.0	1489.8	1468.9	1467.8
12.5°	1883.5	1867.2	1825.4	1770.8	1710.4	1668.6	1608.3	1567.6	1532.8	1501.4	1497.9
15°	2006.6	1986.8	1929.9	1864.9	1809.1	1766.2	1700.0	1635.0	1581.6	1536.3	1531.6
17.5°	2100.6	2076.2	2008.9	1960.1	1914.8	1870.7	1796.4	1710.4	1639.6	1585.0	1572.3
20°	2159.8	2136.6	2072.7	2046.0	2025.1	1993.8	1905.5	1816.1	1737.2	1669.8	1658.2
22.5°	2216.7	2188.9	2133.1	2133.1	2149.4	2136.6	2041.4	1939.2	1846.3	1768.5	1751.1
25°	2280.6	2258.5	2219.1	2251.6	2292.2	2291.0	2193.5	2065.8	1958.9	1871.9	1854.4
27.5°	2373.5	2351.4	2337.5	2399.0	2450.1	2446.6	2339.8	2201.6	2089.0	2003.1	1986.8
30°	2537.2	2516.3	2501.2	2575.5	2640.6	2616.2	2498.9	2365.4	2251.6	2154.0	2142.4
32.5°	2755.5	2733.5	2713.7	2788.0	2846.1	2814.7	2703.3	2577.9	2446.6	2351.4	2328.2
35°	3042.3	2995.9	2976.2	3064.4	3088.8	3054.0	2947.1	2836.8	2697.5	2588.3	2573.2
37.5°	3338.4	3283.9	3269.9	3346.6	3386.1	3373.3	3247.9	3132.9	2982.0	2861.2	2843.8
40°	3591.6	3541.7	3517.3	3636.9	3726.3	3734.4	3621.8	3481.3	3303.6	3178.2	3146.9
42.5°	3740.2	3697.3	3691.5	3877.2	4023.6	4128.1	3993.4	3848.2	3661.3	3519.6	3494.0
45°	3773.9	3746.0	3794.8	4038.7	4266.2	4456.7	4341.7	4188.4	3986.4	3836.6	3812.2
47.5°	3770.4	3761.1	3848.2	4122.3	4410.2	4644.8	4587.9	4414.9	4219.8	4063.0	4039.8
50°	3720.5	3721.6	3866.8	4164.1	4468.3	4695.9	4639.0	4478.7	4304.6	4150.1	4131.5
52.5°	3700.7	3693.8	3832.0	4151.3	4527.5	4672.7	4544.9	4364.9	4171.0	3980.6	3952.7
55°	3770.4	3753.0	3836.6	4140.8	4534.5	4659.9	4323.1	3933.0	3535.9	3310.6	3292.0
57.5°	3874.9	3856.3	3895.8	4064.2	4171.0	3874.9	3181.7	2552.3	2143.6	1970.6	1895.1
60°	3460.4	3447.6	3417.4	3214.2	2756.7	2079.7	1416.7	903.4	649.1	524.9	524.9
62.5°	2147.1	2129.6	1965.9	1460.8	1061.3	614.3	337.9	211.3	160.2	149.8	148.6
65°	602.7	599.2	495.8	350.7	223.0	138.2	121.9	124.2	121.9	118.4	117.3
67.5°	90.6	99.9	99.9	81.3	77.8	87.1	102.2	109.2	103.3	97.5	95.2
70°	58.1	62.7	60.4	52.3	55.7	65.0	73.2	74.3	70.8	65.0	63.9
72.5°	40.6	45.3	37.2	33.7	34.8	38.3	41.8	41.8	40.6	38.3	36.0
75°	24.4	24.4	17.4	16.3	16.3	17.4	17.4	19.7	19.7	18.6	17.4
77.5°	8.1	9.3	5.8	4.6	4.6	4.6	5.8	7.0	7.0	5.8	4.6
80°	1.2	2.3	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	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)