

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: P632392

Luminaire Tested: GWS-SA2C-750-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632392  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-750-U-T3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

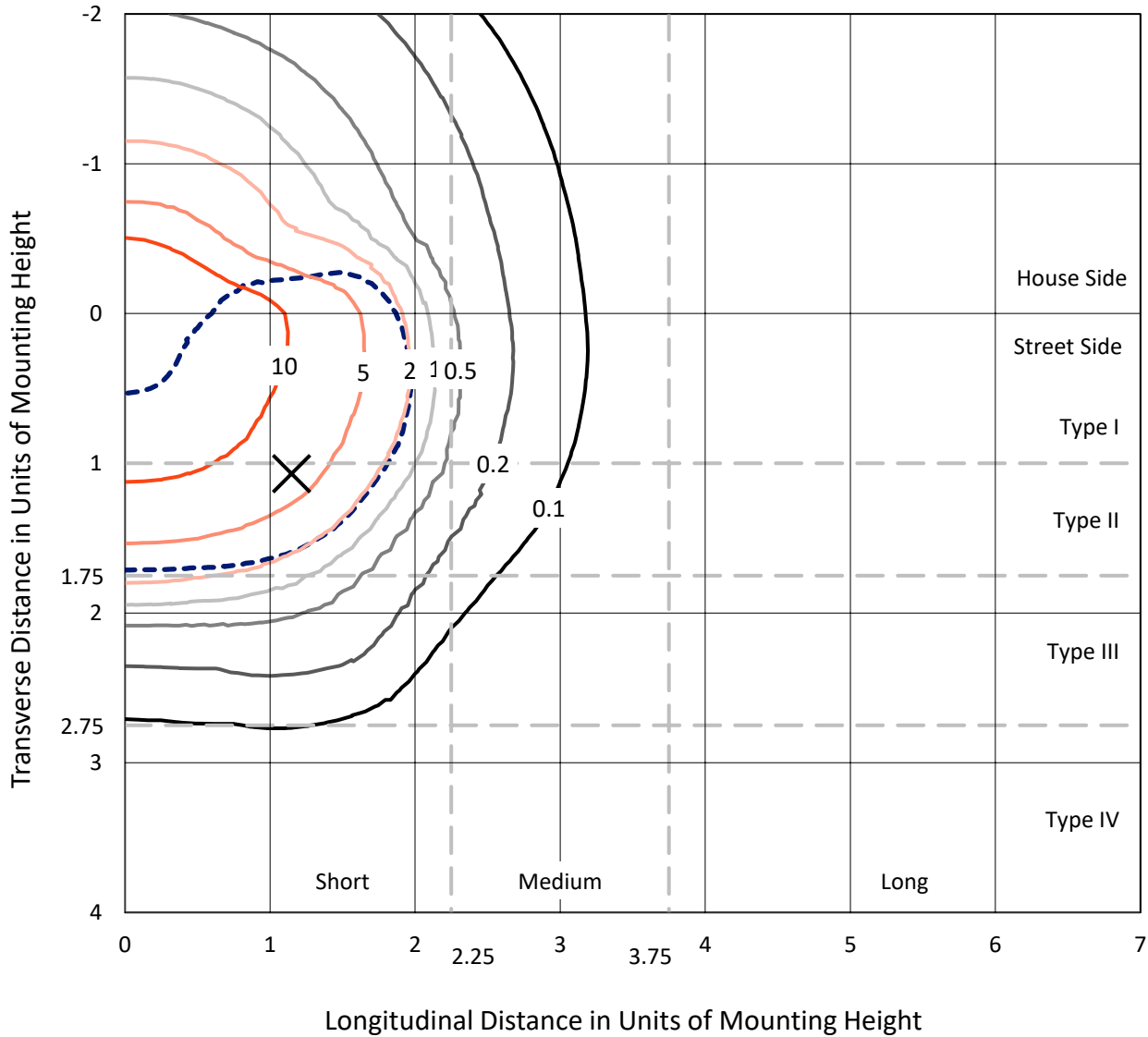
Lumens per Lamp: N/A  
Luminaire Lumens: 8080.5 lumens  
Efficiency: N/A  
Efficacy: 127.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

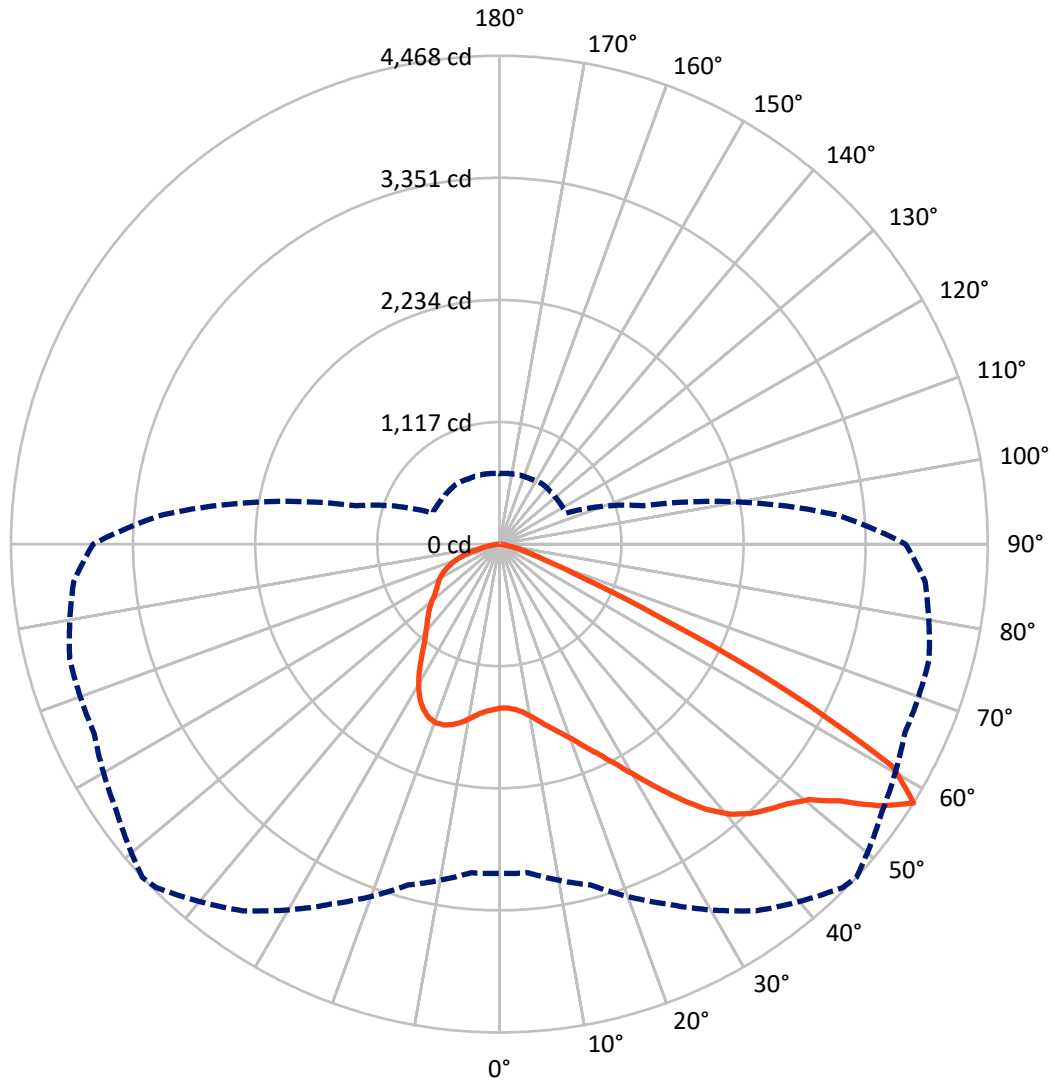
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2557.5	0.0	2557.5
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	5523.0	0.0	5523.0
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	8080.5	0.0	8080.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.8	1.8
10°-20°	486.1	6.0
20°-30°	875.3	10.8
30°-40°	1322.1	16.4
40°-50°	1780.4	22.0
50°-60°	2139.3	26.5
60°-70°	1041.9	12.9
70°-80°	256.7	3.2
80°-90°	30.8	0.4
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°	8080.5	100.0
0°-180°	8080.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P632392

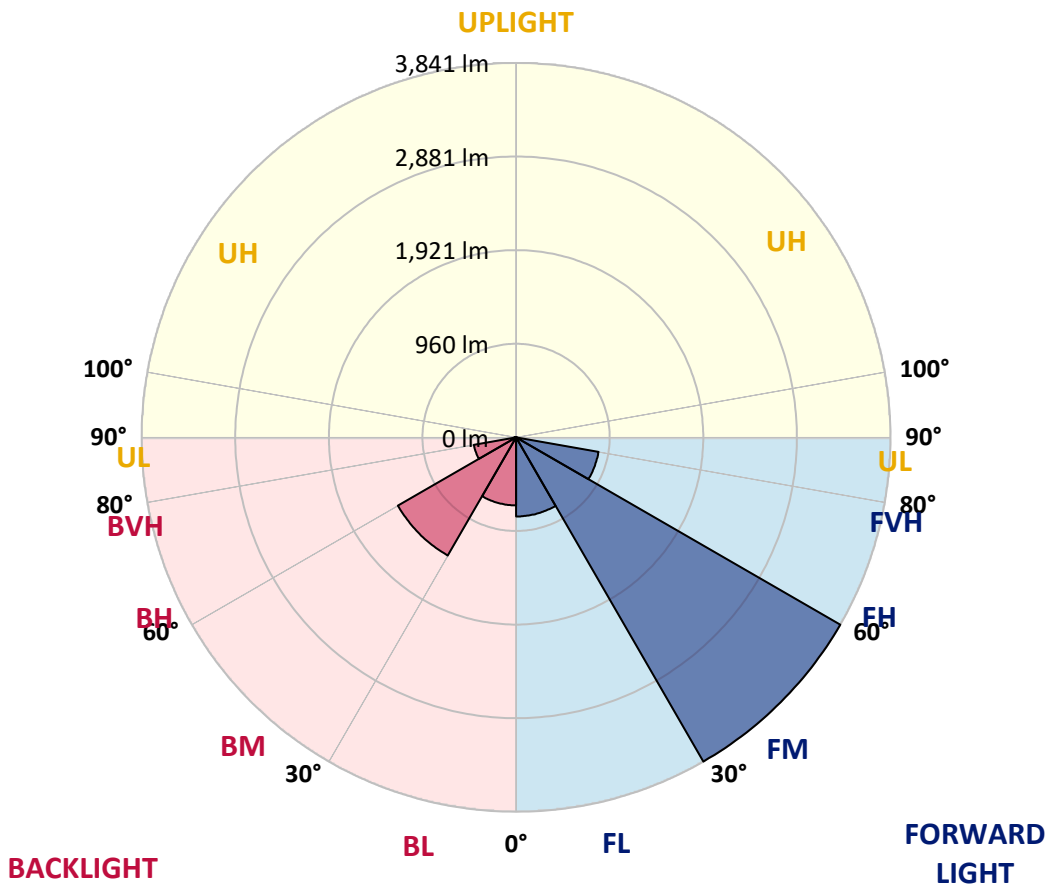
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	811.6	10.0			
FM (30°-60°)	3841.1	47.5			
FH (60°-80°)	858.7	10.6			G1/1800
FVH (80°-90°)	11.6	0.1			G1/100
BL (0°-30°)	697.6	8.6	B2/1000		
BM (30°-60°)	1400.7	17.3	B2/2500		
BH (60°-80°)	439.9	5.4	B1/500		G1/500
BVH (80°-90°)	19.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type II Short





REPORT NUMBER: P632392

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5
2.5°	1495.8	1495.1	1495.1	1499.2	1499.2	1500.6	1502.6	1504.6	1505.3	1501.9	1494.5
5°	1512.1	1512.1	1512.1	1515.5	1515.5	1516.9	1519.6	1520.3	1519.6	1514.2	1506.7
7.5°	1537.9	1537.9	1538.6	1542.7	1546.0	1548.1	1552.8	1552.2	1550.1	1541.3	1531.8
10°	1580.0	1582.0	1584.1	1588.8	1595.6	1600.3	1603.7	1603.7	1601.0	1587.4	1575.2
12.5°	1639.7	1642.4	1644.5	1648.5	1654.0	1662.1	1669.6	1669.6	1666.2	1649.2	1630.9
15°	1709.6	1712.3	1711.6	1713.0	1723.2	1734.7	1740.8	1744.9	1746.3	1722.5	1694.0
17.5°	1789.7	1792.4	1789.7	1785.6	1787.0	1805.3	1816.2	1831.1	1839.9	1808.0	1762.5
20°	1862.3	1859.6	1859.6	1862.3	1866.4	1888.8	1905.1	1929.5	1940.4	1901.7	1831.1
22.5°	1939.0	1945.1	1942.4	1942.4	1958.7	1996.0	2015.7	2047.6	2059.1	2008.9	1913.9
25°	2038.1	2043.5	2042.2	2043.5	2062.5	2115.5	2135.1	2194.2	2205.7	2133.8	2005.5
27.5°	2146.7	2155.5	2159.6	2158.2	2188.8	2258.0	2282.4	2364.5	2385.6	2273.6	2103.3
30°	2287.9	2297.4	2300.7	2299.4	2335.4	2429.7	2457.5	2551.2	2581.0	2439.2	2227.4
32.5°	2451.4	2460.9	2471.1	2475.2	2521.3	2617.7	2657.7	2754.8	2797.5	2630.6	2377.4
35°	2613.6	2621.8	2641.4	2673.3	2736.5	2834.9	2870.2	2965.9	3007.3	2829.4	2558.6
37.5°	2792.8	2798.2	2815.2	2859.3	2950.3	3043.9	3079.2	3170.8	3175.6	3021.5	2763.6
40°	2988.9	2988.9	2985.5	3029.0	3124.0	3218.3	3248.9	3301.8	3274.0	3169.5	2963.1
42.5°	3155.2	3152.5	3155.2	3195.9	3266.5	3343.2	3369.7	3359.5	3324.2	3282.8	3143.7
45°	3305.2	3307.2	3331.7	3362.9	3399.5	3445.0	3460.6	3402.9	3371.0	3373.8	3288.2
47.5°	3407.0	3409.0	3466.1	3518.3	3540.7	3555.0	3548.2	3468.1	3451.8	3482.3	3399.5
50°	3420.6	3431.4	3529.8	3637.1	3692.7	3694.8	3675.8	3578.0	3573.3	3607.9	3459.3
52.5°	3423.3	3434.2	3557.0	3750.4	3895.0	3925.5	3903.8	3802.0	3752.5	3717.8	3532.6
55°	3413.1	3425.3	3561.1	3826.4	4103.3	4225.5	4227.5	4083.7	3925.5	3902.4	3741.6
57.5°	3013.4	3018.1	3228.5	3633.0	4095.2	4441.3	4467.8	4272.3	4091.8	4070.1	3909.2
60°	2099.2	2118.2	2346.9	2881.0	3440.3	4050.4	4135.9	4078.9	3958.1	3800.0	3354.1
62.5°	1051.3	1067.6	1297.0	1801.9	2372.7	2854.6	2946.2	3006.6	3035.1	2865.4	2283.8
65°	452.7	464.9	607.4	941.3	1343.1	1575.9	1607.8	1680.4	1858.2	1658.0	1230.5
67.5°	302.7	310.8	383.5	574.2	791.3	806.3	801.5	817.1	855.8	706.5	555.8
70°	232.1	238.9	287.8	420.8	568.7	486.6	460.8	418.1	454.0	462.9	450.6
72.5°	168.3	173.7	210.4	287.1	356.3	310.8	306.8	328.5	377.3	390.9	383.5
75°	108.6	111.3	133.7	157.5	183.9	199.5	207.7	247.0	296.6	306.8	297.9
77.5°	72.6	74.7	87.6	101.1	104.5	105.2	107.9	125.6	159.5	178.5	176.5
80°	38.0	38.0	42.8	42.8	48.9	58.4	61.1	72.6	88.2	97.7	98.4
82.5°	14.9	15.6	18.3	20.4	24.4	29.9	31.9	38.0	46.2	52.9	59.0
85°	6.1	6.8	7.5	8.8	10.9	13.6	14.3	16.3	21.7	27.1	30.5
87.5°	0.0	0.0	0.7	0.7	1.4	2.0	2.0	2.7	3.4	6.1	8.1
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: P632392

CATALOG NUMBER: GWS-SA2C-750-U-T3-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5
2.5°	1503.3	1494.5	1503.3	1506.0	1513.5	1516.2	1511.4	1510.8	1510.8	1504.0	1501.9
5°	1513.5	1505.3	1514.2	1518.2	1529.1	1535.9	1537.2	1542.7	1546.0	1543.3	1542.7
7.5°	1538.6	1528.4	1537.9	1544.0	1558.3	1569.1	1573.9	1586.1	1594.9	1593.6	1592.9
10°	1582.7	1569.1	1580.0	1590.2	1605.8	1618.7	1619.3	1626.1	1635.0	1632.2	1630.9
12.5°	1633.6	1620.7	1632.9	1643.1	1661.4	1666.9	1658.0	1655.3	1656.7	1653.3	1650.6
15°	1696.0	1677.7	1688.6	1700.1	1710.3	1704.2	1685.2	1677.7	1677.0	1672.3	1669.6
17.5°	1758.5	1735.4	1743.5	1749.7	1744.9	1725.9	1702.1	1689.3	1683.1	1673.6	1670.9
20°	1820.2	1791.1	1789.7	1784.9	1763.2	1728.6	1696.7	1670.9	1655.3	1642.4	1637.7
22.5°	1890.8	1850.1	1829.7	1808.0	1760.5	1704.2	1656.0	1619.3	1594.2	1577.9	1572.5
25°	1966.8	1909.1	1867.1	1823.6	1733.4	1651.9	1584.7	1534.5	1504.6	1487.0	1480.9
27.5°	2042.2	1962.8	1899.6	1825.7	1679.1	1576.6	1486.3	1418.5	1388.6	1374.3	1369.6
30°	2144.0	2034.0	1938.3	1799.2	1607.8	1472.1	1359.4	1290.9	1271.2	1261.0	1256.9
32.5°	2261.4	2124.3	1989.9	1743.5	1516.9	1349.9	1231.1	1183.6	1170.1	1150.4	1149.7
35°	2416.1	2253.2	2038.8	1661.4	1402.2	1218.9	1132.7	1098.8	1074.4	1043.1	1040.4
37.5°	2596.7	2414.1	2065.2	1556.9	1268.5	1111.0	1059.4	1021.4	982.1	940.7	935.2
40°	2783.3	2602.1	2067.3	1433.4	1137.5	1039.7	996.3	946.8	897.9	851.8	845.6
42.5°	2979.4	2777.2	2031.3	1290.9	1030.2	978.0	933.9	871.4	816.5	785.2	781.8
45°	3154.5	2918.4	1949.9	1140.9	950.8	926.4	870.1	802.9	773.7	751.3	746.6
47.5°	3292.3	3012.0	1839.9	1006.5	886.4	873.5	800.2	765.6	743.2	722.8	718.1
50°	3360.2	3033.1	1696.7	897.2	826.6	811.0	760.8	734.3	719.4	703.1	699.0
52.5°	3444.3	3056.8	1573.2	805.6	768.3	747.2	728.2	707.2	696.3	686.2	682.8
55°	3637.8	3146.4	1508.0	732.3	712.6	703.1	700.4	682.8	679.4	672.6	666.5
57.5°	3716.5	3088.7	1354.0	672.6	668.5	669.9	676.7	660.4	657.0	648.8	644.8
60°	2988.9	2334.7	916.9	621.0	631.9	640.7	647.5	631.2	626.4	625.1	619.6
62.5°	1915.3	1436.1	640.0	572.8	589.1	600.0	604.0	588.4	585.0	595.9	596.6
65°	997.0	782.5	519.2	521.2	534.8	551.1	559.2	553.8	552.5	564.0	564.7
67.5°	509.0	478.5	452.7	460.1	471.0	492.0	511.1	534.8	542.9	544.3	545.0
70°	433.7	420.1	407.2	412.0	423.5	435.0	453.4	464.9	451.3	447.9	446.6
72.5°	369.2	359.0	352.9	358.3	364.5	362.4	357.0	362.4	364.5	365.1	365.8
75°	287.1	279.6	274.9	275.5	275.5	268.1	257.9	251.8	245.0	239.6	239.6
77.5°	175.8	177.1	181.9	181.2	180.5	177.8	167.6	162.2	145.9	141.2	141.2
80°	100.4	102.5	107.2	108.6	108.6	105.2	95.0	88.9	81.4	78.0	77.4
82.5°	61.1	63.8	66.5	67.9	68.5	64.5	55.7	50.9	46.8	43.4	43.4
85°	31.9	33.3	36.0	36.6	34.6	30.5	25.8	23.8	19.7	19.0	19.0
87.5°	8.8	9.5	10.9	8.8	8.1	6.1	3.4	2.7	1.4	0.7	0.7
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)