

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: P637036

Luminaire Tested: GWS-SA4C-722-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637036
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-SA4C-722-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9267.2 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

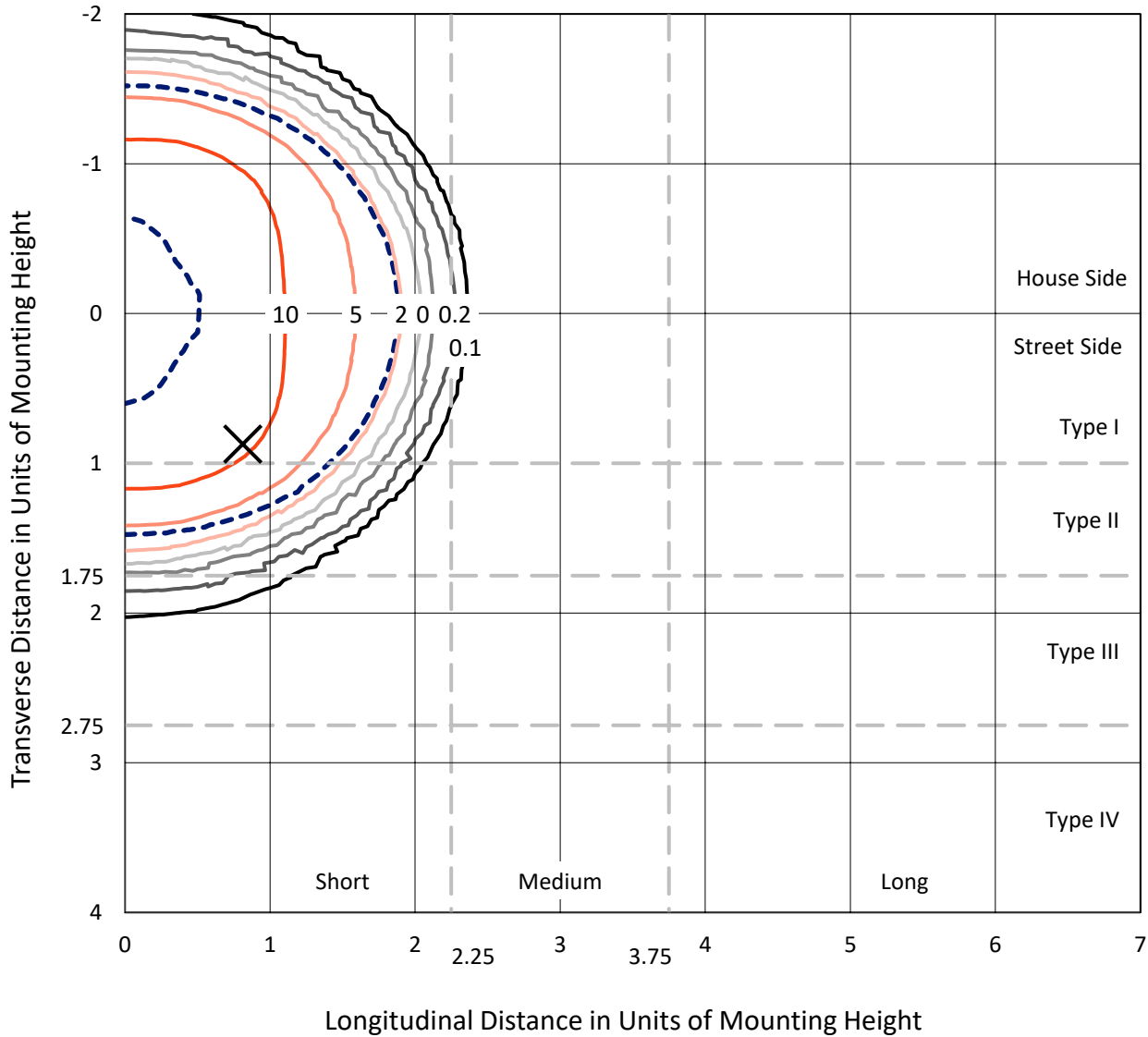
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637036
CATALOG NUMBER: GWS-SA4C-722-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

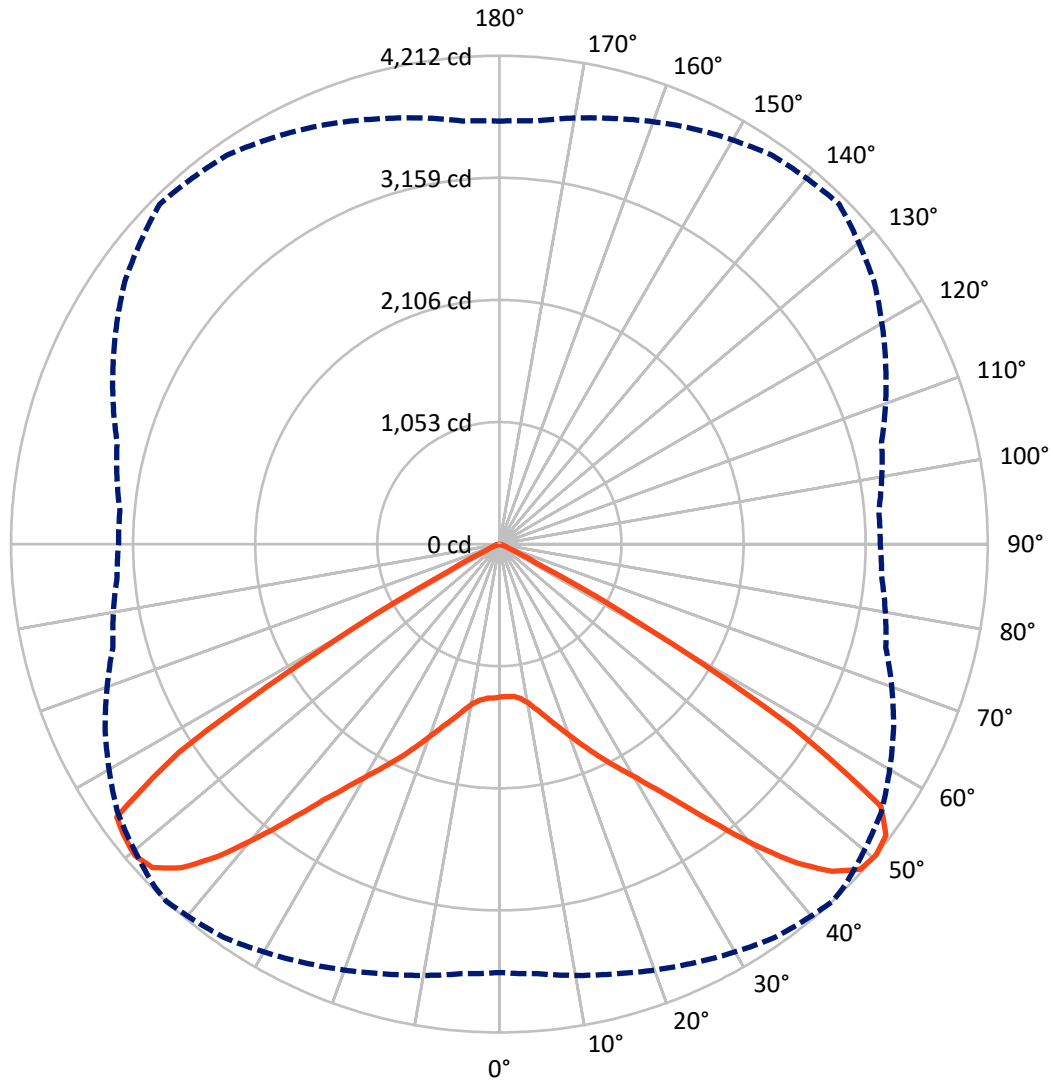
✕ Max cd
- - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.8 fc
Type V - Short - N/A

REPORT NUMBER: P637036
CATALOG NUMBER: GWS-SA4C-722-U-RW-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P637036
 CATALOG NUMBER: GWS-SA4C-722-U-RW-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4633.5	0.0	4633.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4633.7	0.0	4633.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	9267.2	0.0	9267.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.8	1.4
10°-20°	446.7	4.8
20°-30°	903.7	9.8
30°-40°	1676.7	18.1
40°-50°	2783.3	30.0
50°-60°	2840.5	30.7
60°-70°	465.8	5.0
70°-80°	20.4	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°	9267.2	100.0
0°-180°	9267.2	100.0

Coefficient of Utilization



REPORT NUMBER: P637036

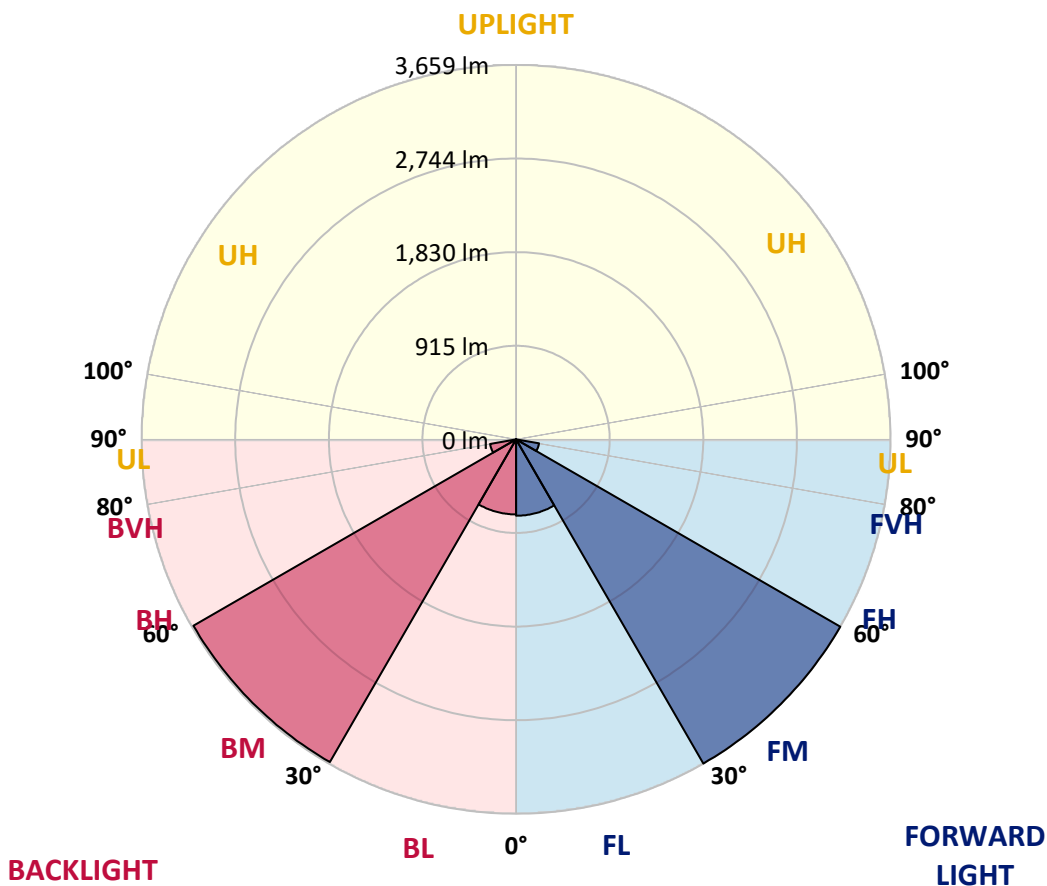
CATALOG NUMBER: GWS-SA4C-722-U-RW-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	746.6	8.1			
FM (30°-60°)	3659.1	39.5			
FH (60°-80°)	227.9	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	733.6	7.9	B2/1000		
BM (30°-60°)	3641.4	39.3	B3/5000		
BH (60°-80°)	258.3	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: P637036

CATALOG NUMBER: GWS-SA4C-722-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1318.1	1318.1	1318.1	1318.1	1318.1	1318.1	1318.1	1318.1	1318.1	1318.1	1318.1
2.5°	1293.5	1296.6	1300.7	1304.8	1309.9	1315.0	1318.1	1327.3	1325.3	1333.5	1333.5
5°	1279.2	1282.2	1287.4	1296.6	1307.9	1319.1	1327.3	1345.8	1356.0	1372.4	1378.6
7.5°	1286.3	1290.4	1296.6	1310.9	1328.4	1345.8	1355.0	1384.7	1405.2	1436.0	1453.4
10°	1309.9	1314.0	1324.3	1348.9	1371.4	1396.0	1407.3	1445.2	1478.0	1520.0	1544.6
12.5°	1336.6	1341.7	1362.2	1399.1	1438.0	1470.8	1486.2	1528.2	1562.1	1609.2	1648.2
15°	1364.2	1372.4	1404.2	1458.5	1513.9	1558.0	1574.4	1619.5	1653.3	1703.5	1747.6
17.5°	1428.8	1438.0	1473.9	1532.3	1608.2	1659.4	1673.8	1720.9	1746.6	1780.4	1826.5
20°	1509.8	1527.2	1571.3	1642.0	1725.0	1774.2	1784.5	1830.6	1828.5	1842.9	1882.9
22.5°	1610.2	1622.5	1670.7	1754.8	1848.0	1902.3	1925.9	1945.4	1919.8	1907.5	1933.1
25°	1714.8	1729.1	1781.4	1873.6	1978.2	2040.7	2060.2	2075.6	2034.6	1988.4	1991.5
27.5°	1850.1	1860.3	1911.6	2010.0	2114.5	2185.2	2202.7	2229.3	2175.0	2101.2	2080.7
30°	2011.0	2021.2	2075.6	2179.1	2282.6	2343.1	2369.7	2402.5	2343.1	2250.8	2227.3
32.5°	2199.6	2209.8	2279.5	2386.1	2471.2	2536.8	2562.4	2597.3	2550.1	2446.6	2420.0
35°	2425.1	2431.2	2513.2	2629.1	2719.2	2782.8	2800.2	2841.2	2788.9	2685.4	2671.1
37.5°	2686.4	2693.6	2782.8	2917.1	3009.3	3080.0	3107.7	3119.0	3055.4	2939.6	2928.3
40°	2973.4	2997.0	3084.1	3228.7	3332.2	3421.4	3446.0	3408.0	3318.9	3161.0	3140.5
42.5°	3272.7	3293.2	3390.6	3547.4	3667.3	3758.6	3759.6	3677.6	3525.9	3307.6	3276.8
45°	3521.8	3530.0	3656.1	3813.9	3961.5	4026.1	4032.2	3883.6	3655.0	3392.7	3327.1
47.5°	3693.0	3706.3	3816.0	3967.7	4130.6	4189.1	4176.8	3991.2	3716.5	3448.0	3339.4
50°	3695.0	3717.6	3836.5	3983.0	4140.9	4211.6	4194.2	4022.0	3751.4	3450.1	3309.6
52.5°	3368.1	3405.0	3598.7	3810.8	4052.7	4173.7	4177.8	4062.0	3738.1	3417.3	3283.0
55°	2540.9	2580.9	2824.8	3186.6	3654.0	3991.2	4049.7	4014.8	3722.7	3431.6	3330.1
57.5°	1344.8	1314.0	1449.3	1808.0	2395.4	2991.9	3163.1	3441.9	3551.5	3449.0	3417.3
60°	293.1	312.6	416.1	560.7	934.8	1407.3	1574.4	2052.0	2619.8	2872.0	3054.4
62.5°	126.1	124.0	129.1	146.6	214.2	356.7	435.6	711.3	1122.3	1541.6	1825.5
65°	103.5	104.5	108.6	108.6	101.5	102.5	107.6	163.0	262.4	368.0	494.0
67.5°	77.9	78.9	86.1	88.1	83.0	73.8	72.8	61.5	64.6	81.0	84.0
70°	49.2	49.2	53.3	55.3	55.3	51.2	50.2	44.1	43.0	49.2	55.3
72.5°	26.6	26.6	28.7	29.7	28.7	27.7	27.7	26.6	25.6	29.7	37.9
75°	11.3	11.3	12.3	12.3	11.3	11.3	11.3	11.3	11.3	13.3	20.5
77.5°	2.0	3.1	4.1	3.1	2.0	2.0	2.0	3.1	3.1	4.1	6.1
80°	1.0	1.0	2.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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: P637036

CATALOG NUMBER: GWS-SA4C-722-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1318.1	1318.1	1318.1	1318.1	1318.1	1318.1	1318.1	1318.1	1318.1	1318.1	1318.1
2.5°	1340.7	1329.4	1333.5	1335.5	1332.5	1330.4	1319.1	1316.1	1310.9	1302.7	1300.7
5°	1385.8	1376.5	1375.5	1369.4	1355.0	1337.6	1316.1	1306.8	1296.6	1286.3	1284.3
7.5°	1461.6	1450.3	1443.2	1422.7	1389.9	1362.2	1326.3	1306.8	1293.5	1280.2	1277.1
10°	1559.0	1545.7	1525.2	1487.2	1443.2	1403.2	1361.2	1335.5	1315.0	1296.6	1295.6
12.5°	1662.5	1648.2	1611.3	1563.1	1509.8	1472.9	1419.6	1383.7	1353.0	1325.3	1322.2
15°	1771.1	1753.7	1703.5	1646.1	1596.9	1559.0	1500.6	1443.2	1396.0	1356.0	1351.9
17.5°	1854.2	1832.6	1773.2	1730.2	1690.2	1651.2	1585.6	1509.8	1447.3	1399.1	1387.8
20°	1906.4	1885.9	1829.6	1806.0	1787.5	1759.9	1682.0	1603.1	1533.4	1473.9	1463.7
22.5°	1956.7	1932.1	1882.9	1882.9	1897.2	1885.9	1801.9	1711.7	1629.7	1561.0	1545.7
25°	2013.0	1993.6	1958.7	1987.4	2023.3	2022.3	1936.2	1823.4	1729.1	1652.3	1636.9
27.5°	2095.0	2075.6	2063.3	2117.6	2162.7	2159.6	2065.3	1943.3	1843.9	1768.1	1753.7
30°	2239.6	2221.1	2207.8	2273.4	2330.8	2309.3	2205.7	2087.9	1987.4	1901.3	1891.1
32.5°	2432.3	2412.8	2395.4	2461.0	2512.2	2484.5	2386.1	2275.4	2159.6	2075.6	2055.1
35°	2685.4	2644.4	2627.0	2704.9	2726.4	2695.7	2601.4	2504.0	2381.0	2284.7	2271.3
37.5°	2946.8	2898.6	2886.3	2954.0	2988.8	2977.5	2866.8	2765.4	2632.1	2525.5	2510.2
40°	3170.2	3126.2	3104.6	3210.2	3289.1	3296.3	3196.9	3072.9	2916.0	2805.3	2777.7
42.5°	3301.4	3263.5	3258.4	3422.4	3551.5	3643.8	3524.9	3396.8	3231.7	3106.7	3084.1
45°	3331.2	3306.6	3349.6	3564.8	3765.7	3933.8	3832.4	3697.1	3518.7	3386.5	3365.0
47.5°	3328.1	3319.9	3396.8	3638.6	3892.8	4099.9	4049.7	3896.9	3724.7	3586.4	3565.9
50°	3284.0	3285.0	3413.2	3675.5	3944.1	4145.0	4094.8	3953.3	3799.6	3663.2	3646.8
52.5°	3266.6	3260.4	3382.4	3664.3	3996.4	4124.5	4011.7	3852.9	3681.7	3513.6	3489.0
55°	3328.1	3312.7	3386.5	3655.0	4002.5	4113.2	3816.0	3471.6	3121.0	2922.2	2905.8
57.5°	3420.3	3403.9	3438.8	3587.4	3681.7	3420.3	2808.4	2252.9	1892.1	1739.4	1672.8
60°	3054.4	3043.1	3016.5	2837.1	2433.3	1835.7	1250.5	797.4	573.0	463.3	463.3
62.5°	1895.2	1879.8	1735.3	1289.4	936.8	542.2	298.3	186.5	141.4	132.2	131.2
65°	532.0	528.9	437.7	309.5	196.8	122.0	107.6	109.7	107.6	104.5	103.5
67.5°	79.9	88.1	88.1	71.7	68.7	76.9	90.2	96.3	91.2	86.1	84.0
70°	51.2	55.3	53.3	46.1	49.2	57.4	64.6	65.6	62.5	57.4	56.4
72.5°	35.9	40.0	32.8	29.7	30.7	33.8	36.9	36.9	35.9	33.8	31.8
75°	21.5	21.5	15.4	14.3	14.3	15.4	15.4	17.4	17.4	16.4	15.4
77.5°	7.2	8.2	5.1	4.1	4.1	4.1	5.1	6.1	6.1	5.1	4.1
80°	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0
82.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
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

(END OF REPORT)