

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: P634836

Luminaire Tested: GWS-SA3C-750-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634836
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-SA3C-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9248.2 lumens
Efficiency: N/A
Efficacy: 99.4 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

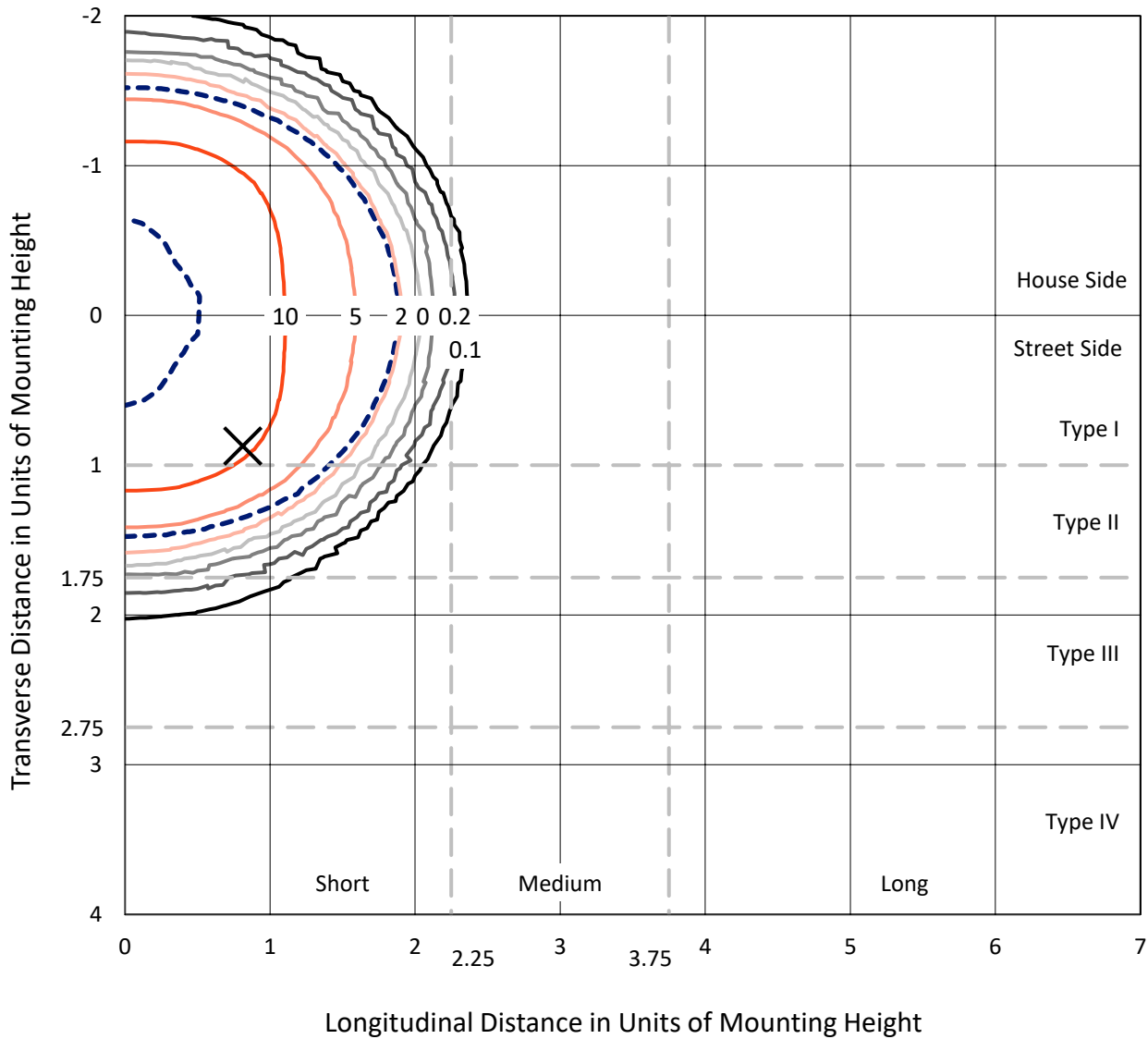
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634836
 CATALOG NUMBER: GWS-SA3C-750-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

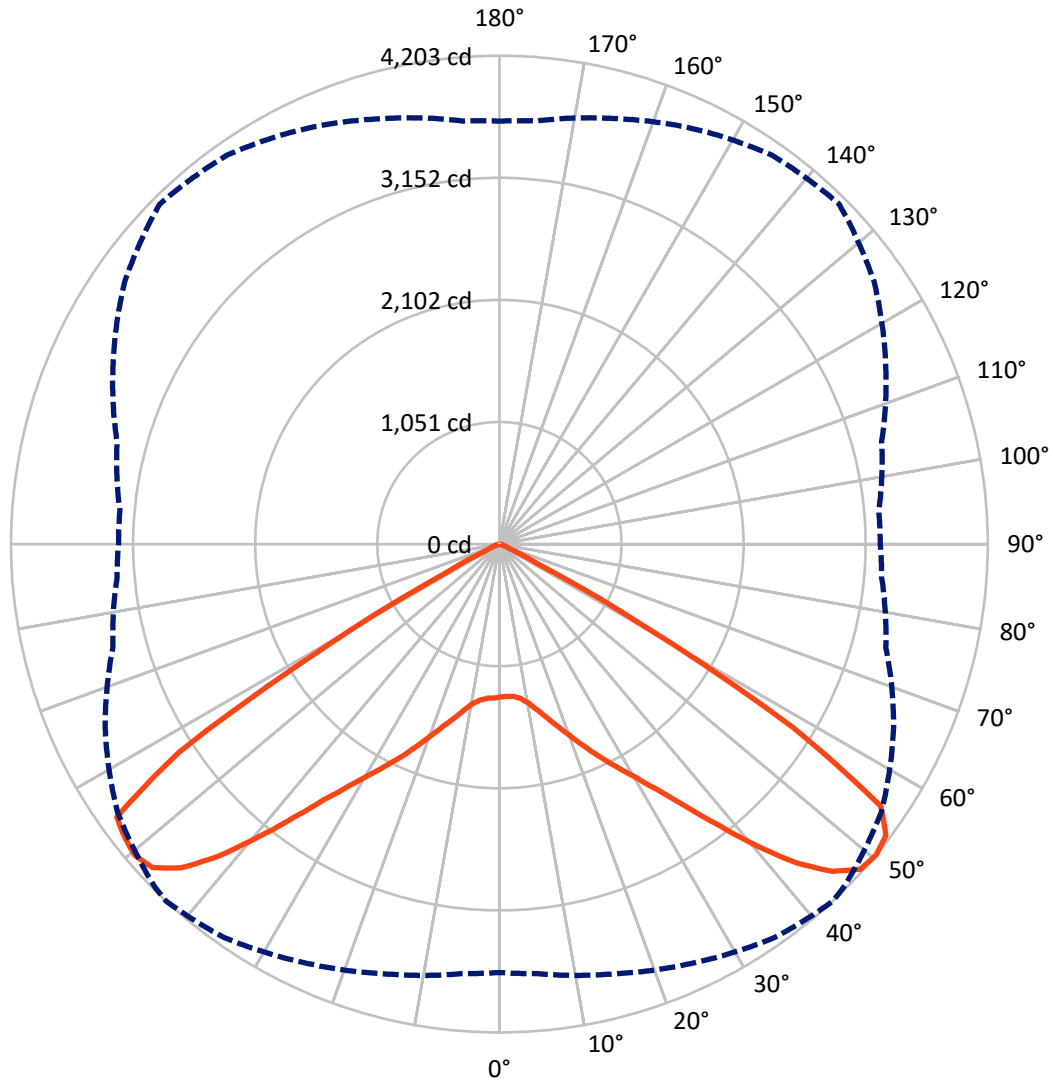
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P634836
CATALOG NUMBER: GWS-SA3C-750-U-RW-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634836
 CATALOG NUMBER: GWS-SA3C-750-U-RW-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4624.0	0.0	4624.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4624.2	0.0	4624.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	9248.2	0.0	9248.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.5	1.4
10°-20°	445.8	4.8
20°-30°	901.9	9.8
30°-40°	1673.3	18.1
40°-50°	2777.6	30.0
50°-60°	2834.6	30.7
60°-70°	464.8	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°	9248.2	100.0
0°-180°	9248.2	100.0

Coefficient of Utilization



REPORT NUMBER: P634836

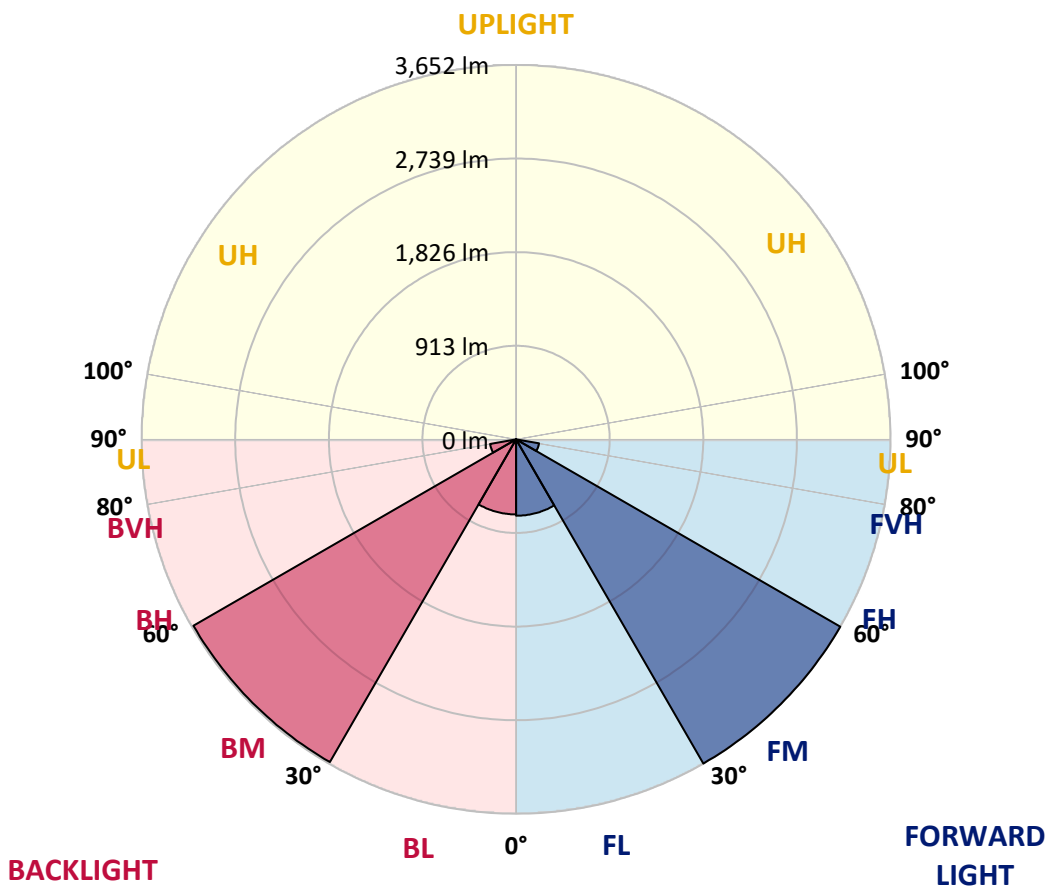
CATALOG NUMBER: GWS-SA3C-750-U-RW-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	745.1	8.1			
FM (30°-60°)	3651.6	39.5			
FH (60°-80°)	227.4	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	732.1	7.9	B2/1000		
BM (30°-60°)	3633.9	39.3	B3/5000		
BH (60°-80°)	257.8	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: P634836

CATALOG NUMBER: GWS-SA3C-750-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1315.4	1315.4	1315.4	1315.4	1315.4	1315.4	1315.4	1315.4	1315.4	1315.4	1315.4
2.5°	1290.9	1293.9	1298.0	1302.1	1307.2	1312.3	1315.4	1324.6	1322.6	1330.8	1330.8
5°	1276.5	1279.6	1284.7	1293.9	1305.2	1316.4	1324.6	1343.0	1353.3	1369.6	1375.8
7.5°	1283.7	1287.8	1293.9	1308.3	1325.6	1343.0	1352.2	1381.9	1402.4	1433.0	1450.4
10°	1307.2	1311.3	1321.5	1346.1	1368.6	1393.1	1404.4	1442.2	1475.0	1516.9	1541.5
12.5°	1333.8	1338.9	1359.4	1396.2	1435.1	1467.8	1483.2	1525.1	1558.9	1605.9	1644.8
15°	1361.4	1369.6	1401.3	1455.5	1510.8	1554.8	1571.1	1616.1	1649.9	1700.0	1744.0
17.5°	1425.9	1435.1	1470.9	1529.2	1604.9	1656.0	1670.3	1717.4	1743.0	1776.7	1822.8
20°	1506.7	1524.1	1568.1	1638.6	1721.5	1770.6	1780.8	1826.8	1824.8	1839.1	1879.0
22.5°	1606.9	1619.2	1667.3	1751.2	1844.2	1898.4	1922.0	1941.4	1915.8	1903.6	1929.1
25°	1711.3	1725.6	1777.7	1869.8	1974.1	2036.5	2056.0	2071.3	2030.4	1984.4	1987.4
27.5°	1846.3	1856.5	1907.7	2005.8	2110.2	2180.8	2198.1	2224.7	2170.5	2096.9	2076.4
30°	2006.9	2017.1	2071.3	2174.6	2277.9	2338.3	2364.9	2397.6	2338.3	2246.2	2222.7
32.5°	2195.1	2205.3	2274.9	2381.2	2466.1	2531.6	2557.2	2592.0	2544.9	2441.6	2415.0
35°	2420.1	2426.2	2508.1	2623.7	2713.7	2777.1	2794.5	2835.4	2783.2	2679.9	2665.6
37.5°	2680.9	2688.1	2777.1	2911.1	3003.1	3073.7	3101.3	3112.6	3049.2	2933.6	2922.3
40°	2967.3	2990.9	3077.8	3222.0	3325.3	3414.3	3438.9	3401.0	3312.1	3154.5	3134.1
42.5°	3266.0	3286.5	3383.7	3540.2	3659.8	3750.9	3751.9	3670.1	3518.7	3300.8	3270.1
45°	3514.6	3522.8	3648.6	3806.1	3953.4	4017.8	4024.0	3875.7	3647.6	3385.7	3320.2
47.5°	3685.4	3698.7	3808.1	3959.5	4122.2	4180.5	4168.2	3983.1	3708.9	3440.9	3332.5
50°	3687.4	3709.9	3828.6	3974.9	4132.4	4203.0	4185.6	4013.7	3743.7	3443.0	3302.8
52.5°	3361.1	3398.0	3591.3	3803.0	4044.4	4165.1	4169.2	4053.6	3730.4	3410.2	3276.3
55°	2535.7	2575.6	2819.0	3180.1	3646.5	3983.1	4041.4	4006.6	3715.1	3424.6	3323.3
57.5°	1342.0	1311.3	1446.3	1804.3	2390.4	2985.8	3156.6	3434.8	3544.2	3442.0	3410.2
60°	292.5	312.0	415.3	559.5	932.9	1404.4	1571.1	2047.8	2614.5	2866.1	3048.2
62.5°	125.8	123.8	128.9	146.3	213.8	356.0	434.7	709.9	1120.0	1538.4	1821.7
65°	103.3	104.3	108.4	108.4	101.3	102.3	107.4	162.6	261.9	367.2	493.0
67.5°	77.7	78.8	85.9	88.0	82.9	73.6	72.6	61.4	64.4	80.8	83.9
70°	49.1	49.1	53.2	55.2	55.2	51.1	50.1	44.0	43.0	49.1	55.2
72.5°	26.6	26.6	28.6	29.7	28.6	27.6	27.6	26.6	25.6	29.7	37.8
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: P634836

CATALOG NUMBER: GWS-SA3C-750-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1315.4	1315.4	1315.4	1315.4	1315.4	1315.4	1315.4	1315.4	1315.4	1315.4	1315.4
2.5°	1337.9	1326.7	1330.8	1332.8	1329.7	1327.7	1316.4	1313.4	1308.3	1300.1	1298.0
5°	1382.9	1373.7	1372.7	1366.6	1352.2	1334.8	1313.4	1304.2	1293.9	1283.7	1281.7
7.5°	1458.6	1447.4	1440.2	1419.7	1387.0	1359.4	1323.6	1304.2	1290.9	1277.6	1274.5
10°	1555.8	1542.5	1522.0	1484.2	1440.2	1400.3	1358.4	1332.8	1312.3	1293.9	1292.9
12.5°	1659.1	1644.8	1608.0	1559.9	1506.7	1469.9	1416.7	1380.9	1350.2	1322.6	1319.5
15°	1767.5	1750.1	1700.0	1642.7	1593.6	1555.8	1497.5	1440.2	1393.1	1353.3	1349.2
17.5°	1850.4	1828.9	1769.6	1726.6	1686.7	1647.8	1582.4	1506.7	1444.3	1396.2	1385.0
20°	1902.5	1882.1	1825.8	1802.3	1783.9	1756.3	1678.5	1599.8	1530.2	1470.9	1460.7
22.5°	1952.7	1928.1	1879.0	1879.0	1893.3	1882.1	1798.2	1708.2	1626.4	1557.8	1542.5
25°	2008.9	1989.5	1954.7	1983.3	2019.1	2018.1	1932.2	1819.7	1725.6	1648.9	1633.5
27.5°	2090.7	2071.3	2059.0	2113.2	2158.3	2155.2	2061.1	1939.4	1840.1	1764.4	1750.1
30°	2235.0	2216.6	2203.3	2268.7	2326.0	2304.5	2201.2	2083.6	1983.3	1897.4	1887.2
32.5°	2427.3	2407.8	2390.4	2455.9	2507.1	2479.4	2381.2	2270.8	2155.2	2071.3	2050.9
35°	2679.9	2639.0	2621.6	2699.4	2720.8	2690.1	2596.0	2498.9	2376.1	2280.0	2266.7
37.5°	2940.7	2892.7	2880.4	2947.9	2982.7	2971.4	2861.0	2759.7	2626.7	2520.4	2505.0
40°	3163.7	3119.8	3098.3	3203.6	3282.4	3289.5	3190.3	3066.6	2910.1	2799.6	2772.0
42.5°	3294.7	3256.8	3251.7	3415.4	3544.2	3636.3	3517.6	3389.8	3225.1	3100.3	3077.8
45°	3324.3	3299.8	3342.7	3557.5	3758.0	3925.8	3824.5	3689.5	3511.5	3379.6	3358.1
47.5°	3321.3	3313.1	3389.8	3631.2	3884.9	4091.5	4041.4	3888.9	3717.1	3579.0	3558.6
50°	3277.3	3278.3	3406.2	3668.0	3936.0	4136.5	4086.4	3945.2	3791.8	3655.7	3639.4
52.5°	3259.9	3253.7	3375.5	3656.8	3988.2	4116.0	4003.5	3845.0	3674.1	3506.4	3481.8
55°	3321.3	3305.9	3379.6	3647.6	3994.3	4104.8	3808.1	3464.5	3114.6	2916.2	2899.8
57.5°	3413.3	3396.9	3431.7	3580.0	3674.1	3413.3	2802.7	2248.3	1888.2	1735.8	1669.3
60°	3048.2	3036.9	3010.3	2831.3	2428.3	1832.0	1247.9	795.8	571.8	462.3	462.3
62.5°	1891.3	1875.9	1731.7	1286.8	934.9	541.1	297.7	186.2	141.2	132.0	130.9
65°	530.9	527.8	436.8	308.9	196.4	121.7	107.4	109.4	107.4	104.3	103.3
67.5°	79.8	88.0	88.0	71.6	68.5	76.7	90.0	96.1	91.0	85.9	83.9
70°	51.1	55.2	53.2	46.0	49.1	57.3	64.4	65.5	62.4	57.3	56.3
72.5°	35.8	39.9	32.7	29.7	30.7	33.8	36.8	36.8	35.8	33.8	31.7
75°	21.5	21.5	15.3	14.3	14.3	15.3	15.3	17.4	17.4	16.4	15.3
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)