

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: P634726

Luminaire Tested: GWS-SA3C-735-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634726
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-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: 8917.1 lumens
Efficiency: N/A
Efficacy: 95.9 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

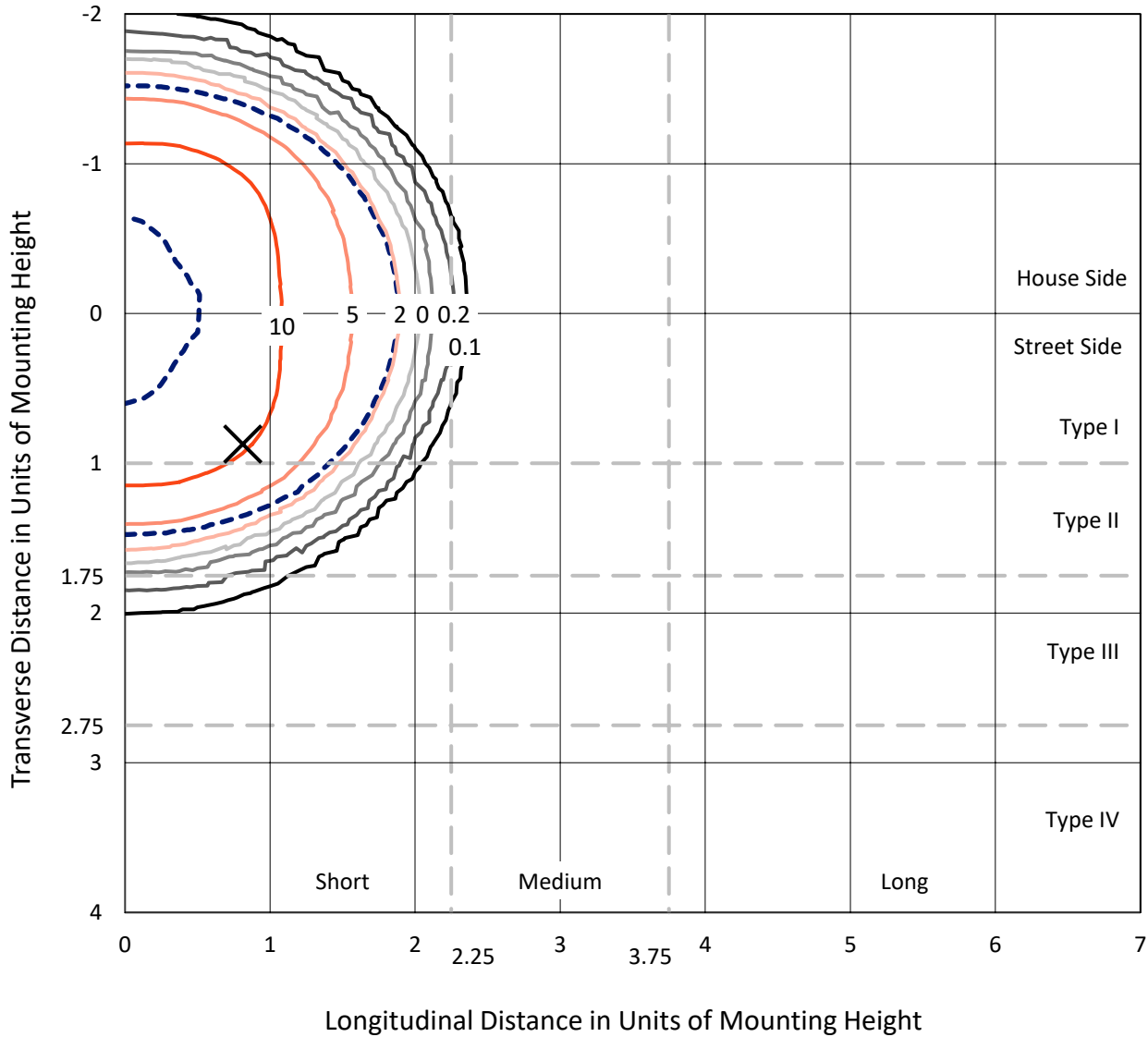
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

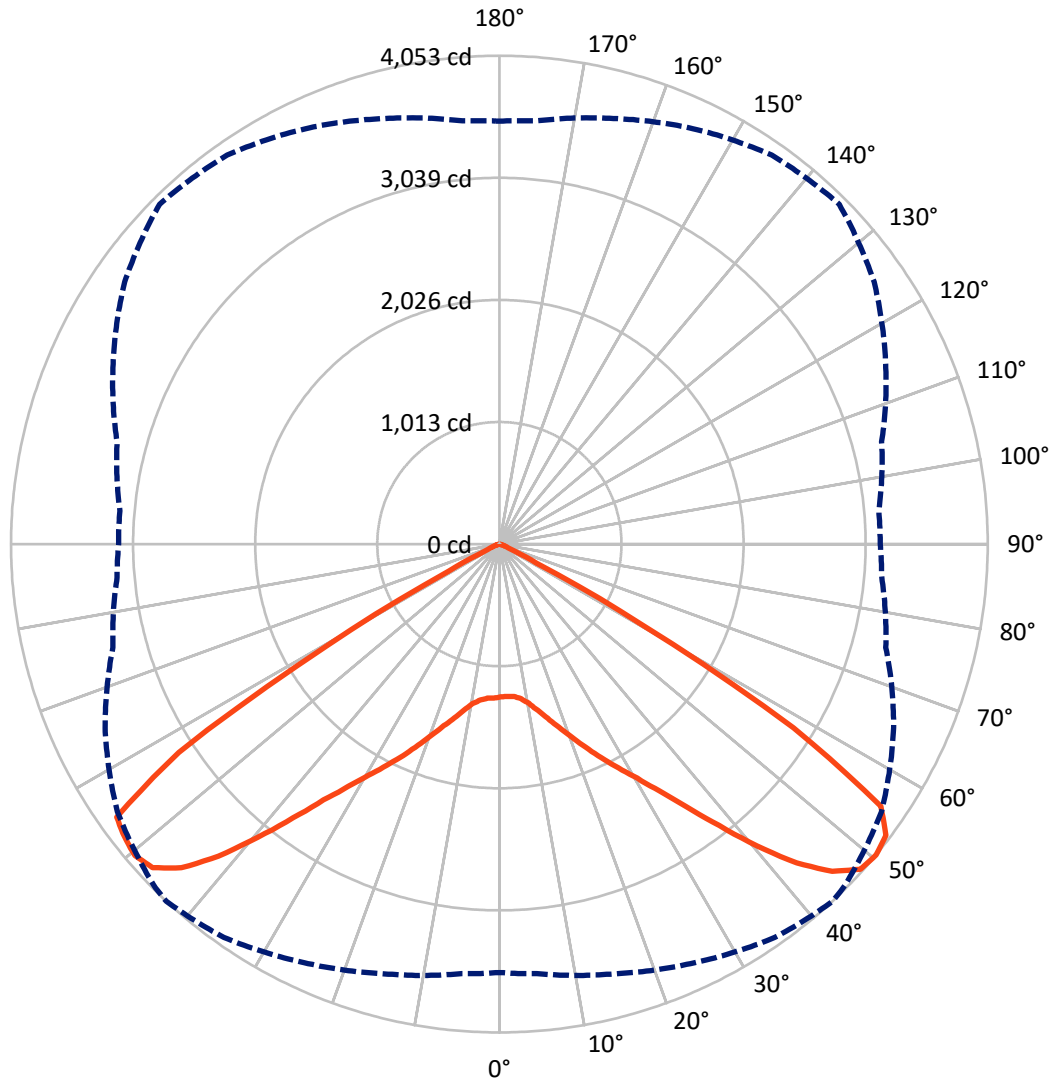
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.2 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
House Side	Lumens	4458.4	0.0	4458.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4458.7	0.0	4458.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	8917.1	0.0	8917.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.9	1.4
10°-20°	429.8	4.8
20°-30°	869.6	9.8
30°-40°	1613.4	18.1
40°-50°	2678.1	30.0
50°-60°	2733.2	30.7
60°-70°	448.2	5.0
70°-80°	19.6	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°	8917.1	100.0
0°-180°	8917.1	100.0

Coefficient of Utilization



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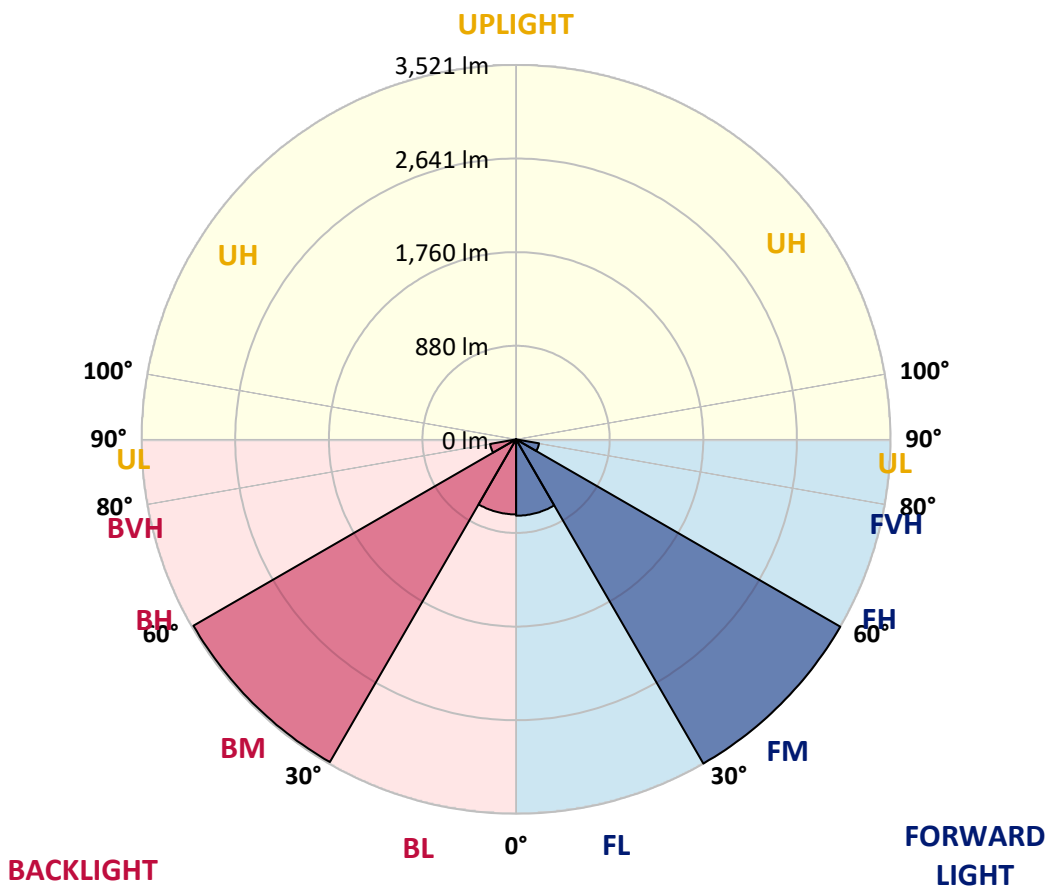
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	718.4	8.1			
FM (30°-60°)	3520.9	39.5			
FH (60°-80°)	219.3	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	705.9	7.9	B2/1000		
BM (30°-60°)	3503.8	39.3	B3/5000		
BH (60°-80°)	248.6	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1268.3	1268.3	1268.3	1268.3	1268.3	1268.3	1268.3	1268.3	1268.3	1268.3	1268.3
2.5°	1244.6	1247.6	1251.6	1255.5	1260.4	1265.4	1268.3	1277.2	1275.2	1283.1	1283.1
5°	1230.8	1233.8	1238.7	1247.6	1258.5	1269.3	1277.2	1294.9	1304.8	1320.6	1326.5
7.5°	1237.7	1241.7	1247.6	1261.4	1278.2	1294.9	1303.8	1332.4	1352.1	1381.7	1398.5
10°	1260.4	1264.4	1274.2	1297.9	1319.6	1343.3	1354.1	1390.6	1422.2	1462.6	1486.3
12.5°	1286.1	1291.0	1310.7	1346.2	1383.7	1415.3	1430.1	1470.5	1503.0	1548.4	1585.9
15°	1312.7	1320.6	1351.2	1403.4	1456.7	1499.1	1514.9	1558.3	1590.8	1639.1	1681.6
17.5°	1374.8	1383.7	1418.2	1474.4	1547.4	1596.7	1610.5	1655.9	1680.6	1713.1	1757.5
20°	1452.7	1469.5	1511.9	1580.0	1659.9	1707.2	1717.1	1761.4	1759.5	1773.3	1811.7
22.5°	1549.4	1561.2	1607.6	1688.5	1778.2	1830.5	1853.2	1871.9	1847.2	1835.4	1860.1
25°	1650.0	1663.8	1714.1	1802.9	1903.5	1963.6	1982.4	1997.2	1957.7	1913.3	1916.3
27.5°	1780.2	1790.0	1839.4	1934.0	2034.6	2102.7	2119.4	2145.1	2092.8	2021.8	2002.1
30°	1935.0	1944.9	1997.2	2096.8	2196.4	2254.6	2280.2	2311.8	2254.6	2165.8	2143.1
32.5°	2116.5	2126.4	2193.4	2296.0	2377.8	2441.0	2465.6	2499.2	2453.8	2354.2	2328.5
35°	2333.5	2339.4	2418.3	2529.7	2616.5	2677.7	2694.4	2733.9	2683.6	2584.0	2570.2
37.5°	2585.0	2591.9	2677.7	2806.9	2895.6	2963.7	2990.3	3001.2	2940.0	2828.6	2817.7
40°	2861.1	2883.8	2967.6	3106.7	3206.3	3292.1	3315.8	3279.3	3193.5	3041.6	3021.9
42.5°	3149.1	3168.8	3262.5	3413.4	3528.8	3616.6	3617.6	3538.7	3392.7	3182.6	3153.0
45°	3388.8	3396.6	3518.0	3669.8	3811.9	3874.0	3879.9	3736.9	3517.0	3264.5	3201.4
47.5°	3553.5	3566.3	3671.8	3817.8	3974.6	4030.8	4019.0	3840.5	3576.1	3317.7	3213.2
50°	3555.4	3577.1	3691.5	3832.6	3984.4	4052.5	4035.7	3870.0	3609.7	3319.7	3184.6
52.5°	3240.8	3276.3	3462.7	3666.9	3899.6	4016.0	4020.0	3908.5	3596.9	3288.2	3159.0
55°	2444.9	2483.4	2718.1	3066.2	3516.0	3840.5	3896.7	3863.1	3582.1	3302.0	3204.3
57.5°	1294.0	1264.4	1394.6	1739.7	2304.9	2878.9	3043.6	3311.8	3417.4	3318.7	3288.2
60°	282.1	300.8	400.4	539.5	899.5	1354.1	1514.9	1974.5	2520.9	2763.5	2939.0
62.5°	121.3	119.3	124.3	141.0	206.1	343.2	419.2	684.5	1079.9	1483.3	1756.5
65°	99.6	100.6	104.5	104.5	97.6	98.6	103.6	156.8	252.5	354.1	475.4
67.5°	75.0	75.9	82.8	84.8	79.9	71.0	70.0	59.2	62.1	77.9	80.9
70°	47.3	47.3	51.3	53.3	53.3	49.3	48.3	42.4	41.4	47.3	53.3
72.5°	25.6	25.6	27.6	28.6	27.6	26.6	26.6	25.6	24.7	28.6	36.5
75°	10.8	10.8	11.8	11.8	10.8	10.8	10.8	10.8	10.8	12.8	19.7
77.5°	2.0	3.0	3.9	3.0	2.0	2.0	2.0	3.0	3.0	3.9	5.9
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1268.3	1268.3	1268.3	1268.3	1268.3	1268.3	1268.3	1268.3	1268.3	1268.3	1268.3
2.5°	1290.0	1279.2	1283.1	1285.1	1282.1	1280.2	1269.3	1266.3	1261.4	1253.5	1251.6
5°	1333.4	1324.5	1323.5	1317.6	1303.8	1287.1	1266.3	1257.5	1247.6	1237.7	1235.8
7.5°	1406.4	1395.5	1388.6	1368.9	1337.4	1310.7	1276.2	1257.5	1244.6	1231.8	1228.9
10°	1500.1	1487.3	1467.5	1431.0	1388.6	1350.2	1309.7	1285.1	1265.4	1247.6	1246.6
12.5°	1599.7	1585.9	1550.4	1504.0	1452.7	1417.2	1366.0	1331.4	1301.8	1275.2	1272.3
15°	1704.2	1687.5	1639.1	1583.9	1536.6	1500.1	1443.9	1388.6	1343.3	1304.8	1300.9
17.5°	1784.1	1763.4	1706.2	1664.8	1626.3	1588.8	1525.7	1452.7	1392.6	1346.2	1335.4
20°	1834.4	1814.7	1760.5	1737.8	1720.0	1693.4	1618.4	1542.5	1475.4	1418.2	1408.4
22.5°	1882.7	1859.1	1811.7	1811.7	1825.5	1814.7	1733.8	1647.0	1568.1	1502.1	1487.3
25°	1937.0	1918.3	1884.7	1912.3	1946.9	1945.9	1863.0	1754.5	1663.8	1589.8	1575.0
27.5°	2015.9	1997.2	1985.3	2037.6	2081.0	2078.0	1987.3	1869.9	1774.3	1701.3	1687.5
30°	2155.0	2137.2	2124.4	2187.5	2242.7	2222.0	2122.4	2009.0	1912.3	1829.5	1819.6
32.5°	2340.4	2321.6	2304.9	2368.0	2417.3	2390.7	2296.0	2189.5	2078.0	1997.2	1977.4
35°	2584.0	2544.5	2527.8	2602.7	2623.4	2593.8	2503.1	2409.4	2291.1	2198.3	2185.5
37.5°	2835.5	2789.1	2777.3	2842.4	2875.9	2865.1	2758.5	2660.9	2532.7	2430.1	2415.3
40°	3050.5	3008.1	2987.3	3088.9	3164.9	3171.8	3076.1	2956.8	2805.9	2699.4	2672.7
42.5°	3176.7	3140.2	3135.3	3293.1	3417.4	3506.1	3391.7	3268.4	3109.6	2989.3	2967.6
45°	3205.3	3181.6	3223.1	3430.2	3623.5	3785.2	3687.6	3557.4	3385.8	3258.6	3237.9
47.5°	3202.4	3194.5	3268.4	3501.2	3745.8	3945.0	3896.7	3749.7	3584.0	3450.9	3431.2
50°	3159.9	3160.9	3284.2	3536.7	3795.1	3988.4	3940.1	3804.0	3656.0	3524.9	3509.1
52.5°	3143.2	3137.3	3254.6	3525.8	3845.4	3968.7	3860.2	3707.3	3542.6	3380.9	3357.2
55°	3202.4	3187.6	3258.6	3517.0	3851.3	3957.8	3671.8	3340.4	3003.1	2811.8	2796.0
57.5°	3291.1	3275.3	3308.9	3451.9	3542.6	3291.1	2702.3	2167.8	1820.6	1673.7	1609.6
60°	2939.0	2928.2	2902.5	2729.9	2341.4	1766.4	1203.2	767.3	551.3	445.8	445.8
62.5°	1823.6	1808.8	1669.7	1240.7	901.4	521.7	287.0	179.5	136.1	127.2	126.2
65°	511.9	508.9	421.1	297.8	189.4	117.4	103.6	105.5	103.6	100.6	99.6
67.5°	76.9	84.8	84.8	69.0	66.1	74.0	86.8	92.7	87.8	82.8	80.9
70°	49.3	53.3	51.3	44.4	47.3	55.2	62.1	63.1	60.2	55.2	54.2
72.5°	34.5	38.5	31.6	28.6	29.6	32.5	35.5	35.5	34.5	32.5	30.6
75°	20.7	20.7	14.8	13.8	13.8	14.8	14.8	16.8	16.8	15.8	14.8
77.5°	6.9	7.9	4.9	3.9	3.9	3.9	4.9	5.9	5.9	4.9	3.9
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)