

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P92775

Luminaire Tested: **LRC-B64-4-LED-E1-MST**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P92775
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (LM-63-2002)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: LRC-B64-4-LED-E1-MST
Description: LRC CANOPY LUMINAIRE
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8212 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.9' x L: 0.9' x H: 0.1')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

Input Watts (W): 88
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

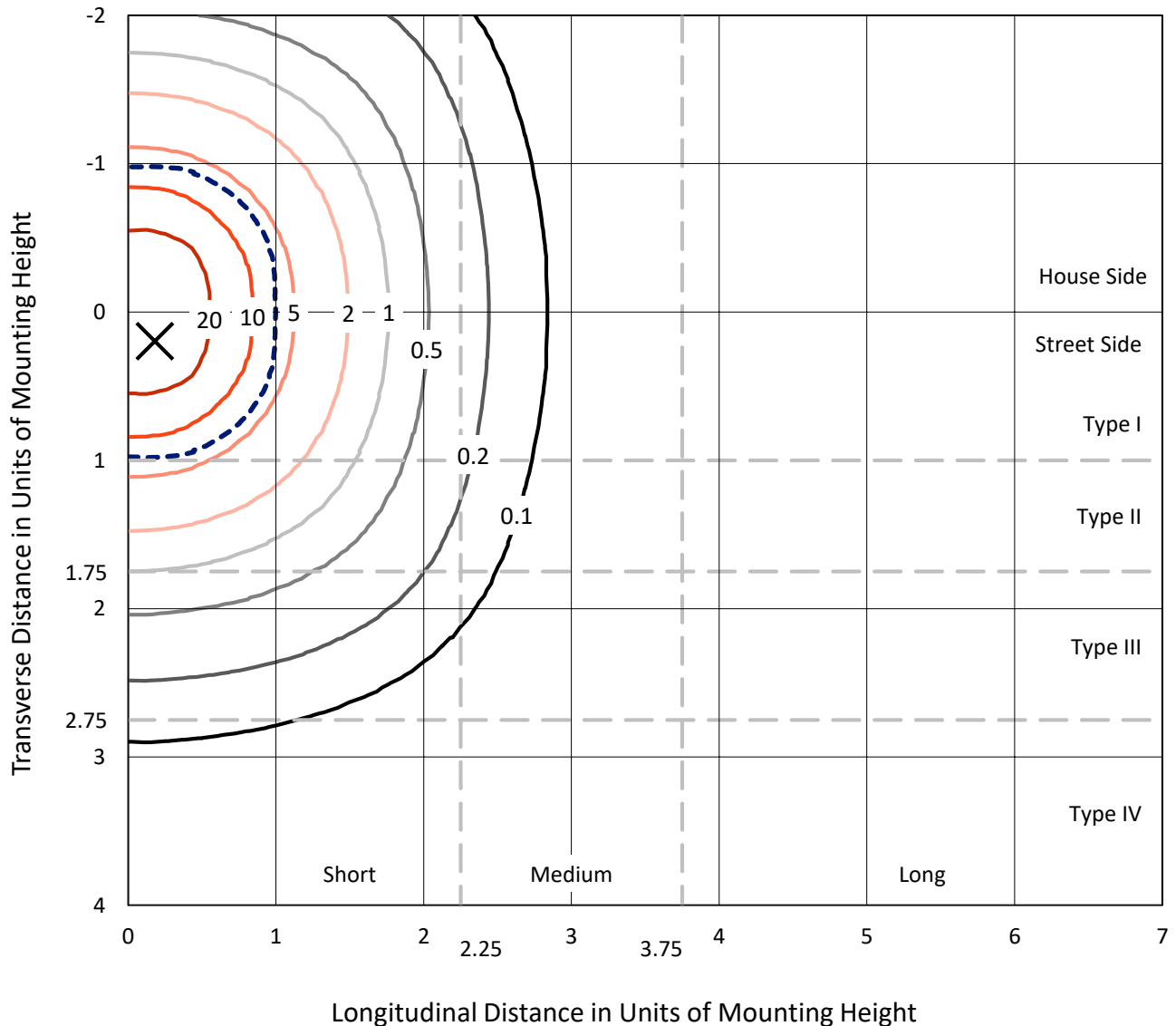


REPORT NUMBER: P92775

CATALOG NUMBER: LRC-B64-4-LED-E1-MST

Iso-Footcandle Lines of Horizontal Illumination

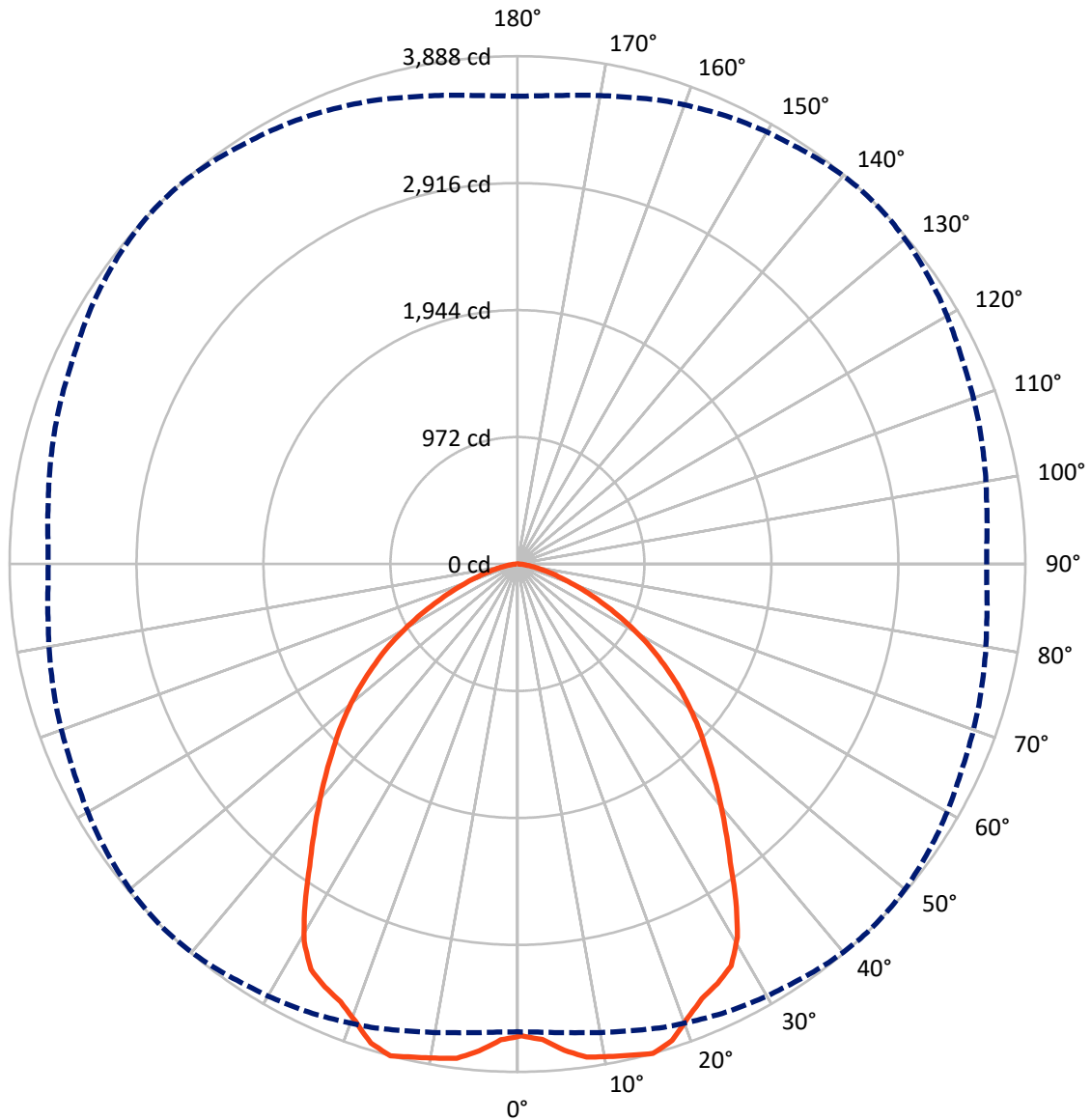
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 36.6 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P92775
CATALOG NUMBER: LRC-B64-4-LED-E1-MST

Luminous Intensity Polar Plot



— Vertical Plane Through 42.5-Deg Lateral - - - Horizontal Cone Through 15-Deg Vertical

REPORT NUMBER: P92775

CATALOG NUMBER: LRC-B64-4-LED-E1-MST

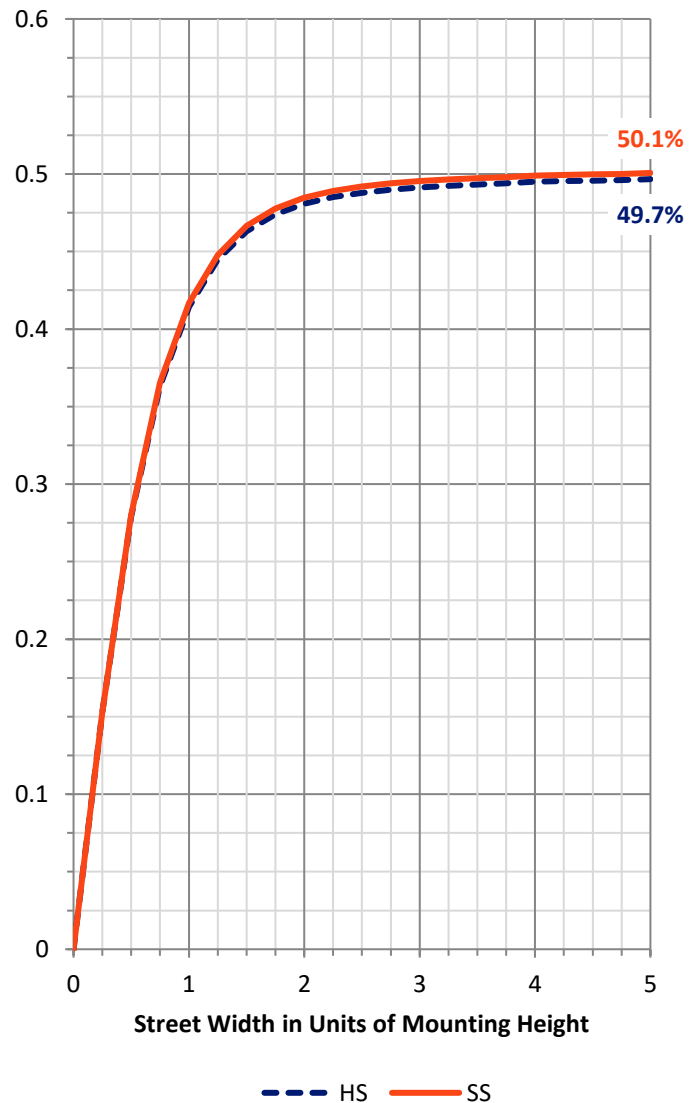
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4106.0	0.0	4106.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4106.0	0.0	4106.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8212.0	0.0	8212.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	356.9	4.3
10°-20°	1053.8	12.8
20°-30°	1558.8	19.0
30°-40°	1694.8	20.6
40°-50°	1525.6	18.6
50°-60°	1149.8	14.0
60°-70°	606.2	7.4
70°-80°	223.1	2.7
80°-90°	43.1	0.5
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°	8212.0	100.0
0°-180°	8212.0	100.0

Coefficient of Utilization



REPORT NUMBER: P92775

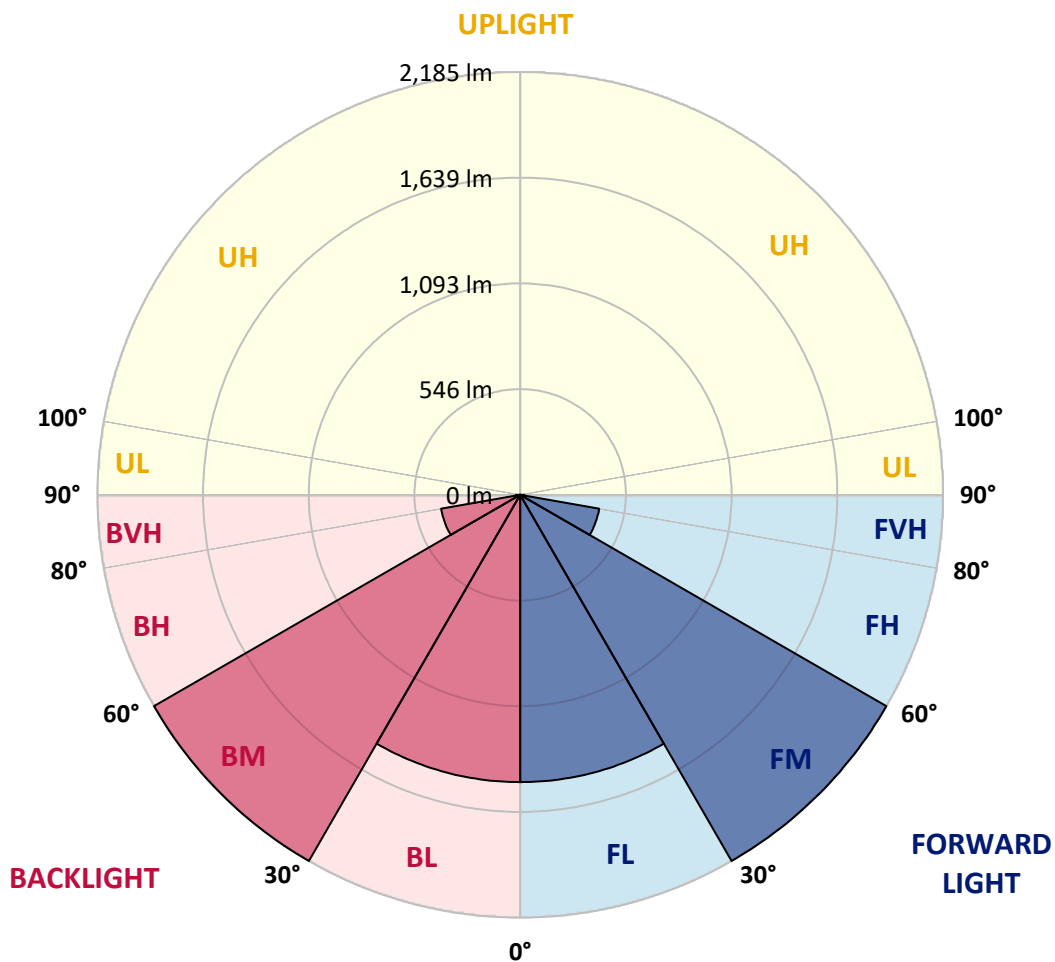
CATALOG NUMBER: LRC-B64-4-LED-E1-MST

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1484.8	18.1			
FM	(30°-60°)	2185.1	26.6			
FH	(60°-80°)	414.6	5.0			G0/660
FVH	(80°-90°)	21.6	0.3			G1/100
BL	(0°-30°)	1484.8	18.1	B3/2500		
BM	(30°-60°)	2185.1	26.6	B2/2500		
BH	(60°-80°)	414.6	5.0	B1/500		G0/660
BVH	(80°-90°)	21.6	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P92775

CATALOG NUMBER: LRC-B64-4-LED-E1-MST

CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	3611.5	3611.5	3611.5	3611.5	3611.5	3611.5	3611.5	3611.5	3611.5	3611.5	3611.5
2.5°	3630.8	3634.6	3637.5	3635.6	3633.7	3634.6	3634.6	3632.7	3634.6	3634.6	3634.6
5°	3684.8	3687.7	3691.6	3690.6	3693.5	3695.4	3698.3	3698.3	3702.2	3707.0	3710.9
7.5°	3692.5	3693.5	3697.4	3700.3	3703.2	3708.0	3716.7	3723.4	3729.2	3739.8	3751.4
10°	3700.3	3701.2	3705.1	3712.8	3723.4	3734.0	3745.6	3756.2	3765.9	3777.5	3790.0
12.5°	3673.2	3675.2	3678.1	3694.5	3710.9	3732.1	3751.4	3773.6	3790.0	3809.3	3824.8
15°	3580.6	3586.4	3599.9	3619.2	3641.4	3663.6	3690.6	3718.6	3739.8	3762.0	3784.2
17.5°	3511.1	3516.9	3533.3	3556.5	3577.7	3608.6	3632.7	3653.0	3672.3	3692.5	3711.8
20°	3435.8	3441.6	3457.1	3486.0	3515.0	3547.8	3575.8	3594.1	3614.4	3635.6	3654.9
22.5°	3319.0	3327.7	3347.0	3374.1	3407.8	3442.6	3473.5	3496.6	3522.7	3550.7	3574.8
25°	3171.4	3181.0	3200.3	3233.1	3265.0	3294.9	3325.8	3354.8	3385.6	3417.5	3448.4
27.5°	3026.6	3041.1	3059.4	3089.3	3119.3	3145.3	3172.3	3203.2	3235.1	3264.0	3281.4
30°	2878.0	2886.7	2909.8	2939.8	2967.7	2996.7	3027.6	3055.6	3076.8	3096.1	3102.9
32.5°	2721.6	2728.4	2747.7	2775.7	2803.7	2834.6	2865.4	2888.6	2904.0	2911.8	2916.6
35°	2558.5	2567.2	2580.7	2601.0	2632.8	2663.7	2688.8	2711.0	2722.6	2728.4	2739.0
37.5°	2388.7	2396.4	2407.0	2429.2	2459.1	2487.1	2513.2	2524.8	2531.5	2545.0	2563.4
40°	2214.0	2219.8	2232.3	2249.7	2276.7	2300.8	2320.1	2332.7	2351.0	2366.5	2384.8
42.5°	2049.9	2050.9	2055.7	2071.1	2096.2	2112.6	2128.1	2141.6	2159.9	2177.3	2191.8
45°	1867.5	1877.2	1881.0	1890.7	1906.1	1921.6	1936.0	1954.4	1971.7	1987.2	1999.7
47.5°	1700.5	1705.4	1706.3	1719.8	1729.5	1740.1	1757.5	1772.9	1789.3	1805.7	1809.6
50°	1540.3	1535.5	1539.4	1548.1	1555.8	1563.5	1584.7	1596.3	1610.8	1620.4	1630.1
52.5°	1371.4	1366.6	1365.6	1379.2	1385.9	1396.5	1408.1	1422.6	1438.0	1447.7	1458.3
55°	1190.0	1189.0	1189.0	1197.7	1205.4	1217.0	1231.5	1243.1	1258.5	1270.1	1282.6
57.5°	1010.5	1010.5	1013.4	1014.3	1025.0	1034.6	1042.3	1059.7	1076.1	1091.5	1105.1
60°	835.8	837.7	831.9	840.6	847.4	855.1	864.7	879.2	894.7	910.1	928.4
62.5°	665.9	669.8	670.8	668.8	681.4	687.2	697.8	708.4	722.9	740.2	754.7
65°	517.3	520.2	526.0	521.2	530.8	538.5	550.1	562.7	576.2	591.6	604.2
67.5°	403.4	406.3	408.2	407.3	416.9	419.8	428.5	439.1	450.7	463.3	476.8
70°	314.6	317.5	317.5	318.5	324.3	326.2	333.0	340.7	348.4	359.0	368.7
72.5°	243.2	246.1	247.1	250.0	251.9	252.9	256.7	262.5	267.3	273.1	279.9
75°	184.3	186.3	187.2	187.2	190.1	192.1	195.0	198.8	200.7	205.6	209.4
77.5°	135.1	137.0	138.0	139.0	139.9	139.9	141.9	144.8	146.7	149.6	151.5
80°	94.6	94.6	95.5	96.5	97.5	97.5	100.4	100.4	101.3	103.3	104.2
82.5°	59.8	59.8	60.8	60.8	61.8	61.8	63.7	62.7	63.7	64.7	64.7
85°	31.8	31.8	32.8	32.8	33.8	32.8	33.8	32.8	32.8	32.8	32.8
87.5°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
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: P92775

CATALOG NUMBER: LRC-B64-4-LED-E1-MST

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	3611.5	3611.5	3611.5	3611.5	3611.5	3611.5	3611.5	3611.5	3611.5	3611.5	3611.5
2.5°	3635.6	3634.6	3637.5	3638.5	3638.5	3638.5	3644.3	3645.3	3647.2	3648.2	3650.1
5°	3714.7	3718.6	3722.5	3728.3	3729.2	3732.1	3738.9	3739.8	3742.7	3744.7	3744.7
7.5°	3759.1	3770.7	3777.5	3789.1	3794.8	3801.6	3811.3	3816.1	3819.0	3820.9	3819.0
10°	3799.7	3812.2	3819.0	3824.8	3829.6	3833.5	3834.4	3834.4	3832.5	3832.5	3828.6
12.5°	3833.5	3842.1	3846.0	3847.9	3852.8	3857.6	3858.5	3861.4	3861.4	3859.5	3855.7
15°	3801.6	3819.0	3832.5	3849.9	3867.2	3879.8	3887.5	3887.5	3882.7	3872.1	3857.6
17.5°	3734.0	3759.1	3776.5	3797.7	3819.9	3830.6	3834.4	3834.4	3826.7	3814.2	3791.0
20°	3675.2	3697.4	3709.9	3718.6	3724.4	3721.5	3713.8	3709.0	3707.0	3707.0	3703.2
22.5°	3601.8	3618.2	3626.0	3625.0	3621.1	3613.4	3613.4	3621.1	3628.8	3633.7	3639.5
25°	3473.5	3489.9	3495.7	3505.3	3518.8	3538.1	3556.5	3572.9	3583.5	3579.6	3571.9
27.5°	3294.9	3309.4	3326.8	3366.3	3409.8	3452.2	3483.1	3504.3	3507.2	3486.0	3452.2
30°	3110.6	3131.8	3159.8	3208.1	3257.3	3289.1	3317.1	3316.1	3312.3	3291.1	3257.3
32.5°	2933.0	2962.9	2997.7	3033.4	3057.5	3068.1	3069.1	3045.9	3041.1	3031.4	3015.0
35°	2763.1	2789.2	2813.3	2823.0	2826.8	2816.2	2805.6	2801.7	2789.2	2788.2	2782.4
37.5°	2585.6	2597.1	2602.0	2600.0	2596.2	2584.6	2588.4	2588.4	2577.8	2574.9	2575.9
40°	2398.3	2397.4	2390.6	2384.8	2380.0	2384.8	2389.6	2380.9	2384.8	2382.9	2381.9
42.5°	2196.6	2192.8	2187.9	2187.0	2188.9	2189.9	2199.5	2207.2	2199.5	2202.4	2202.4
45°	2001.7	1999.7	2002.6	2007.4	2013.2	2013.2	2021.9	2025.8	2025.8	2030.6	2028.7
47.5°	1817.3	1825.0	1829.9	1838.6	1845.3	1848.2	1862.7	1869.4	1868.5	1867.5	1862.7
50°	1644.6	1654.2	1659.0	1671.6	1678.3	1685.1	1696.7	1702.5	1697.6	1696.7	1693.8
52.5°	1471.8	1481.5	1496.9	1505.6	1513.3	1521.0	1532.6	1541.3	1537.4	1537.4	1530.7
55°	1300.0	1315.5	1328.0	1337.7	1344.4	1356.0	1361.8	1369.5	1373.4	1372.4	1367.6
57.5°	1124.4	1138.8	1152.4	1166.8	1179.4	1195.8	1202.5	1205.4	1206.4	1209.3	1200.6
60°	945.8	963.2	979.6	994.1	1004.7	1023.0	1027.9	1042.3	1040.4	1034.6	1022.1
62.5°	772.1	787.5	803.9	821.3	840.6	850.3	861.9	870.5	869.6	862.8	851.2
65°	621.5	634.1	649.5	663.0	680.4	692.0	703.6	706.5	703.6	696.8	682.3
67.5°	490.3	504.8	516.3	528.9	545.3	553.0	559.8	558.8	558.8	551.1	538.5
70°	380.3	390.9	402.5	411.1	424.7	428.5	434.3	434.3	431.4	425.6	416.9
72.5°	288.6	295.3	306.9	312.7	320.4	325.2	327.2	328.1	324.3	318.5	311.7
75°	214.3	219.1	225.8	228.7	232.6	236.5	237.4	238.4	234.5	231.6	225.8
77.5°	154.4	158.3	162.1	161.2	164.1	166.0	166.0	165.0	164.1	162.1	158.3
80°	106.2	105.2	108.1	107.1	110.0	111.0	111.0	111.0	110.0	108.1	105.2
82.5°	64.7	64.7	66.6	67.6	68.5	69.5	69.5	69.5	68.5	67.6	65.6
85°	33.8	34.7	35.7	36.7	36.7	37.6	37.6	37.6	37.6	36.7	35.7
87.5°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
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: P92775

CATALOG NUMBER: LRC-B64-4-LED-E1-MST

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	3611.5	3611.5	3611.5	3611.5	3611.5	3611.5	3611.5	3611.5	3611.5	3611.5	3611.5
2.5°	3650.1	3646.2	3644.3	3644.3	3642.4	3641.4	3643.3	3642.4	3644.3	3644.3	3643.3
5°	3745.6	3740.8	3736.9	3736.9	3732.1	3732.1	3732.1	3729.2	3727.3	3729.2	3727.3
7.5°	3814.2	3811.3	3804.5	3798.7	3791.0	3787.1	3781.3	3775.5	3768.8	3764.0	3760.1
10°	3829.6	3827.7	3824.8	3820.9	3815.1	3807.4	3801.6	3792.9	3783.3	3774.6	3769.8
12.5°	3851.8	3847.9	3841.2	3831.5	3822.8	3811.3	3796.8	3779.4	3764.9	3752.4	3741.8
15°	3839.2	3820.9	3797.7	3773.6	3749.5	3731.2	3714.7	3697.4	3678.1	3659.7	3641.4
17.5°	3768.8	3746.6	3720.5	3695.4	3673.2	3652.0	3636.6	3622.1	3605.7	3586.4	3568.0
20°	3700.3	3689.7	3668.4	3649.1	3634.6	3611.5	3589.3	3574.8	3562.3	3549.7	3528.5
22.5°	3643.3	3642.4	3628.8	3608.6	3585.4	3558.4	3528.5	3499.5	3475.4	3454.2	3431.0
25°	3565.2	3546.8	3518.8	3490.8	3464.8	3431.0	3394.3	3356.7	3324.8	3297.8	3270.8
27.5°	3413.6	3369.2	3336.4	3307.5	3277.5	3248.6	3217.7	3187.8	3157.9	3131.8	3107.7
30°	3211.0	3163.7	3131.8	3106.7	3087.4	3071.0	3053.6	3029.5	3004.4	2980.3	2957.1
32.5°	2993.8	2967.7	2938.8	2919.5	2903.1	2893.4	2885.7	2872.2	2850.0	2824.9	2798.8
35°	2780.5	2775.7	2766.0	2753.5	2739.0	2725.5	2716.8	2703.3	2684.0	2655.0	2629.0
37.5°	2579.8	2581.7	2583.6	2574.9	2564.3	2549.8	2537.3	2521.9	2500.6	2472.6	2447.5
40°	2382.9	2389.6	2396.4	2399.3	2392.5	2377.1	2359.7	2340.4	2317.3	2293.1	2269.0
42.5°	2199.5	2203.4	2206.3	2210.1	2210.1	2192.8	2176.3	2153.2	2134.8	2118.4	2098.2
45°	2025.8	2021.9	2025.8	2026.8	2022.9	2013.2	1994.9	1976.6	1962.1	1947.6	1932.2
47.5°	1857.9	1855.9	1854.0	1852.1	1845.3	1829.9	1821.2	1807.7	1795.1	1784.5	1775.8
50°	1693.8	1692.8	1686.1	1682.2	1672.6	1663.9	1651.3	1639.7	1628.2	1617.5	1607.9
52.5°	1531.6	1527.8	1522.0	1510.4	1500.8	1495.9	1483.4	1471.8	1457.3	1445.7	1438.0
55°	1361.8	1359.9	1350.2	1341.5	1329.9	1312.6	1298.1	1289.4	1276.9	1259.5	1248.9
57.5°	1188.1	1180.3	1170.7	1160.1	1144.6	1125.3	1110.9	1092.5	1082.9	1071.3	1062.6
60°	1015.3	1001.8	986.4	971.9	955.5	937.1	921.7	906.2	891.8	886.0	876.3
62.5°	834.8	822.3	805.9	787.5	772.1	752.8	740.2	724.8	712.3	701.6	692.0
65°	667.9	653.4	637.9	618.6	600.3	581.0	568.5	551.1	536.6	522.1	513.4
67.5°	522.1	506.7	491.2	471.0	455.5	439.1	427.5	412.1	399.6	389.9	384.1
70°	398.6	385.1	370.6	355.2	343.6	331.0	322.3	312.7	305.9	299.2	295.3
72.5°	299.2	290.5	277.0	266.4	257.7	250.0	245.1	239.3	235.5	230.7	227.8
75°	216.2	211.4	205.6	199.8	194.0	188.2	184.3	181.4	177.6	174.7	174.7
77.5°	155.4	152.5	148.6	143.8	140.9	138.0	134.2	133.2	131.3	129.3	128.4
80°	104.2	102.3	100.4	98.4	96.5	94.6	92.7	91.7	89.8	90.7	88.8
82.5°	64.7	62.7	61.8	60.8	59.8	59.8	58.9	57.9	56.9	57.9	56.9
85°	34.7	33.8	32.8	31.8	30.9	30.9	30.9	30.9	30.9	31.8	30.9
87.5°	13.5	13.5	13.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
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: P92775

CATALOG NUMBER: LRC-B64-4-LED-E1-MST

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°
0°	3611.5	3611.5	3611.5	3611.5
2.5°	3645.3	3644.3	3643.3	3646.2
5°	3726.3	3723.4	3722.5	3723.4
7.5°	3755.3	3748.5	3745.6	3744.7
10°	3761.1	3754.3	3750.5	3751.4
12.5°	3725.4	3710.9	3703.2	3702.2
15°	3622.1	3609.5	3596.0	3591.2
17.5°	3551.6	3534.3	3524.6	3519.8
20°	3508.2	3489.9	3479.3	3476.4
22.5°	3409.8	3386.6	3368.3	3360.5
25°	3247.6	3219.6	3205.2	3200.3
27.5°	3085.5	3064.3	3045.9	3043.0
30°	2935.9	2913.7	2894.4	2884.7
32.5°	2774.7	2749.6	2730.3	2732.3
35°	2599.1	2575.9	2561.4	2566.3
37.5°	2422.4	2401.2	2388.7	2394.5
40°	2248.7	2233.3	2225.6	2221.7
42.5°	2082.7	2074.0	2068.3	2070.2
45°	1919.6	1911.9	1908.0	1913.8
47.5°	1767.1	1753.6	1750.7	1755.6
50°	1601.1	1592.4	1592.4	1592.4
52.5°	1429.3	1426.4	1428.4	1426.4
55°	1240.2	1234.4	1233.4	1239.2
57.5°	1053.9	1053.9	1052.0	1052.0
60°	867.6	866.7	869.6	867.6
62.5°	679.4	674.6	674.6	673.7
65°	502.8	496.1	497.0	495.1
67.5°	377.4	372.5	370.6	369.6
70°	293.4	286.6	286.6	286.6
72.5°	226.8	223.9	222.0	222.0
75°	171.8	170.8	169.9	167.9
77.5°	126.4	125.5	124.5	123.5
80°	87.8	87.8	86.9	86.9
82.5°	56.0	56.0	55.0	55.0
85°	30.9	29.9	29.9	29.9
87.5°	12.5	12.5	12.5	12.5
90°	0.0	0.0	0.0	0.0

(END OF REPORT)