

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: LUMARK

Report Number: P146370

Luminaire Tested: **LDRL-T2-E06-E**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P146370
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33694)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: LDRL-T2-E06-E
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (126) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17991.4 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

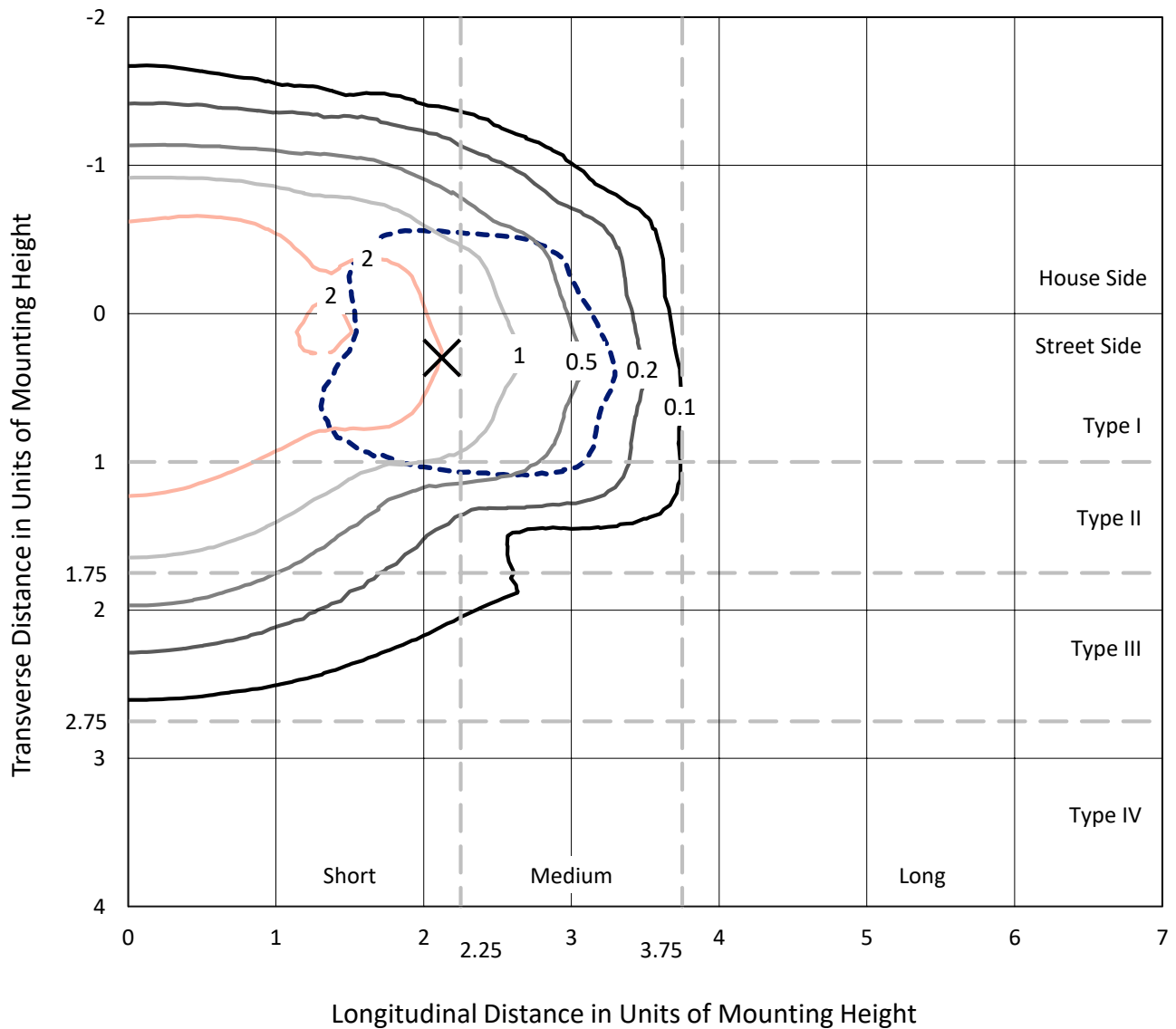
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P146370
 CATALOG NUMBER: LDRL-T2-E06-E

Iso-Footcandle Lines of Horizontal Illumination

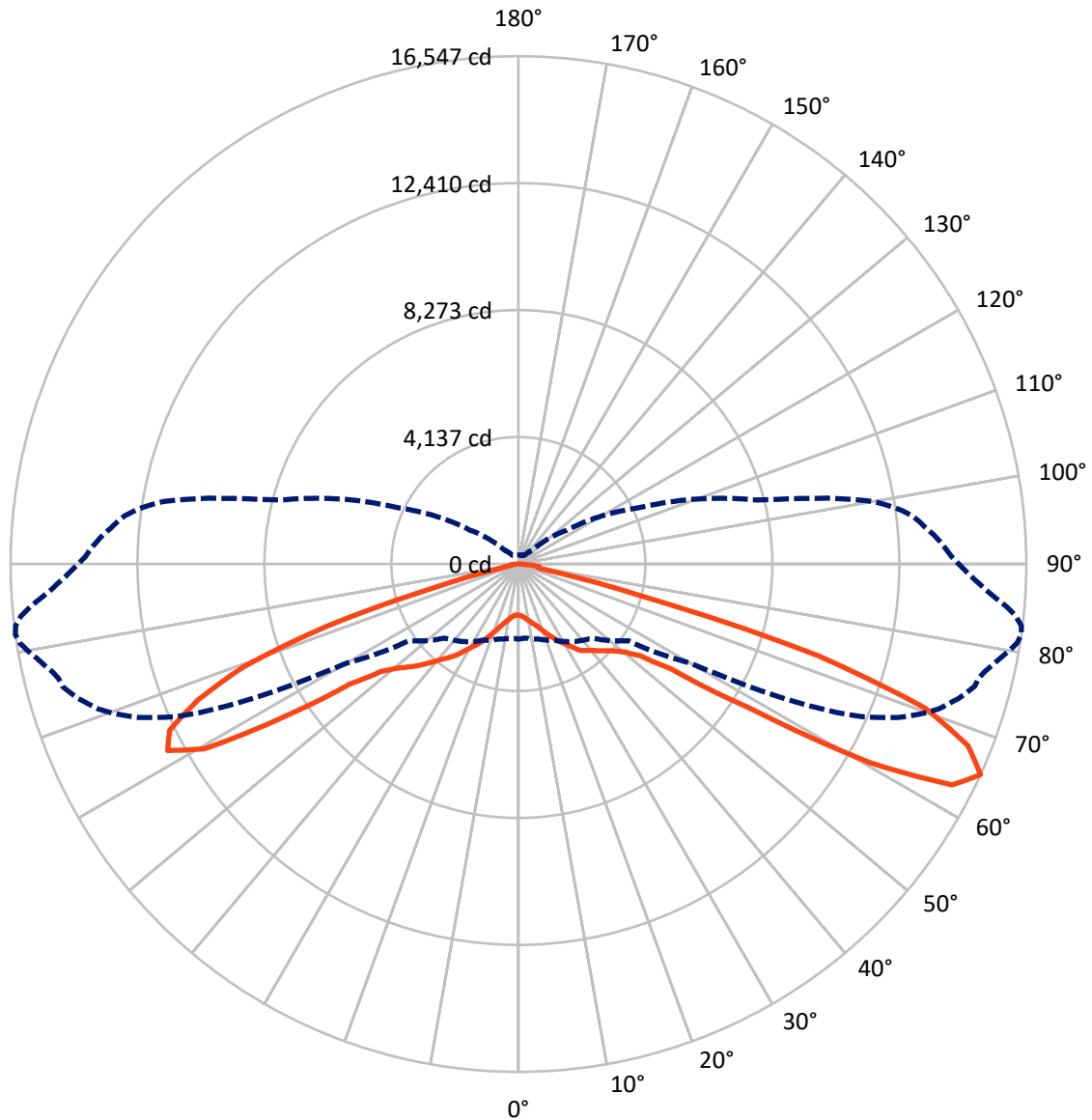
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P146370
CATALOG NUMBER: LDRL-T2-E06-E

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P146370
 CATALOG NUMBER: LDRL-T2-E06-E

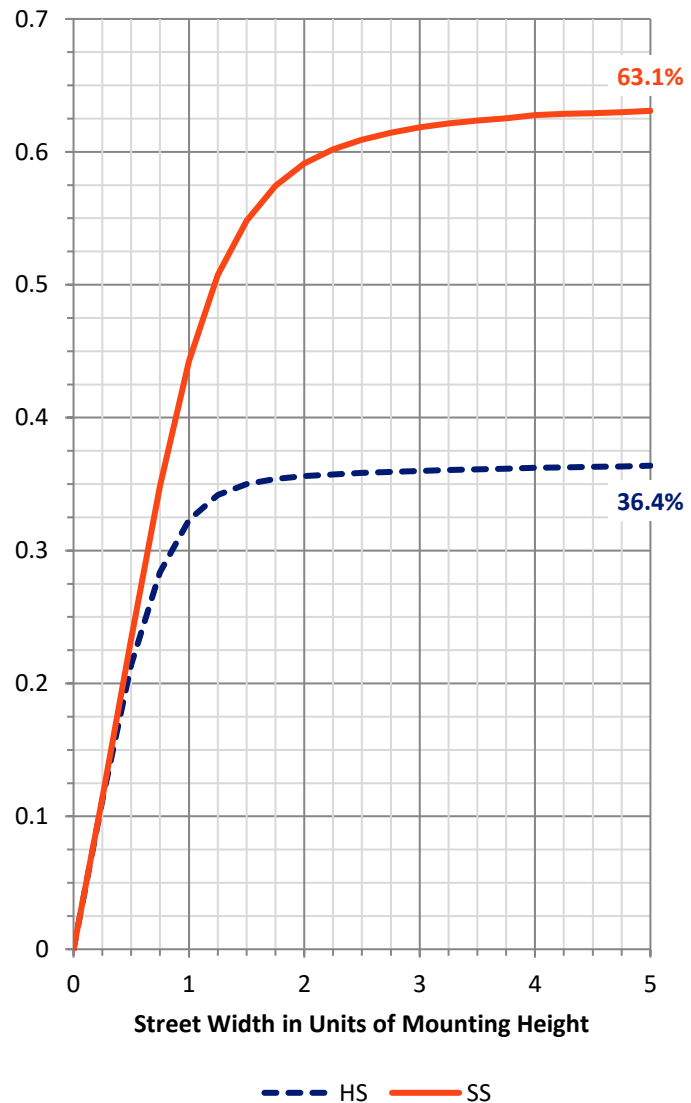
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6622.8	0.0	6622.8
	% Fixture	36.8	0.0	36.8
Street Side	Lumens	11368.6	0.0	11368.6
	% Fixture	63.2	0.0	63.2
Total	Lumens	17991.4	0.0	17991.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.1	0.9
10°-20°	595.8	3.3
20°-30°	1181.8	6.6
30°-40°	2016.5	11.2
40°-50°	3023.7	16.8
50°-60°	4208.8	23.4
60°-70°	4835.3	26.9
70°-80°	1668.6	9.3
80°-90°	291.8	1.6
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°	17991.4	100.0
0°-180°	17991.4	100.0

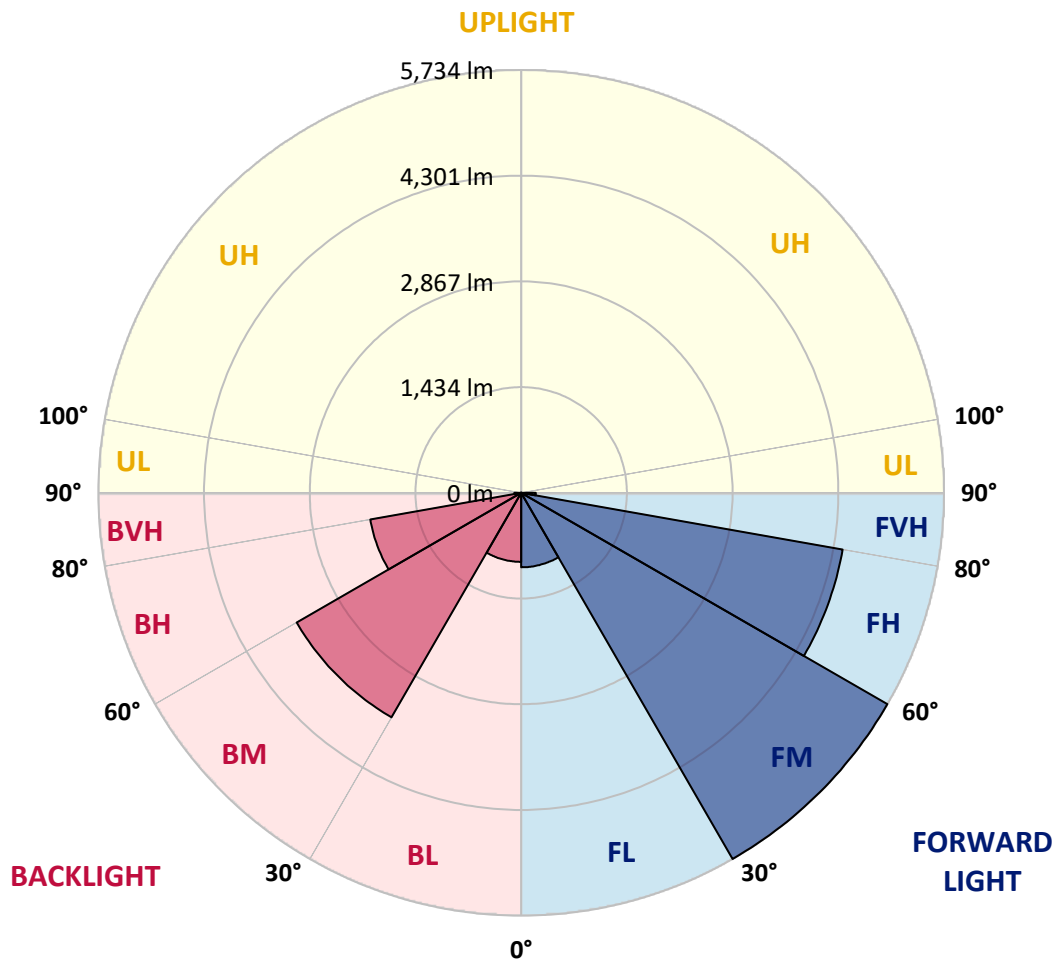


REPORT NUMBER: P146370
 CATALOG NUMBER: LDRL-T2-E06-E

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1009.9	5.6			
FM	(30°-60°)	5734.1	31.9			
FH	(60°-80°)	4426.5	24.6			G2/5000
FVH	(80°-90°)	198.2	1.1			G2/225
BL	(0°-30°)	936.8	5.2	B2/1000		
BM	(30°-60°)	3514.9	19.5	B3/5000		
BH	(60°-80°)	2077.5	11.5	B3/2500		G3/2500
BVH	(80°-90°)	93.6	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Short





REPORT NUMBER: P146370
 CATALOG NUMBER: LDRL-T2-E06-E

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8
2.5°	1759.2	1758.0	1756.8	1752.0	1749.6	1740.0	1730.4	1724.4	1719.6	1722.0	1714.8
5°	1861.2	1861.2	1856.4	1850.4	1843.2	1830.0	1806.0	1794.0	1791.6	1791.6	1783.2
7.5°	1965.6	1972.8	1959.6	1954.8	1942.8	1922.4	1894.8	1879.2	1874.4	1874.4	1867.2
10°	2097.6	2094.0	2079.6	2070.0	2046.0	2018.4	1981.2	1963.2	1956.0	1962.0	1950.0
12.5°	2236.8	2235.6	2214.0	2196.0	2162.4	2118.0	2068.8	2044.8	2040.0	2040.0	2032.8
15°	2378.4	2379.6	2355.6	2322.0	2269.2	2209.2	2154.0	2131.2	2125.2	2122.8	2114.4
17.5°	2486.4	2498.4	2474.4	2431.2	2366.4	2300.4	2241.6	2218.8	2217.6	2215.2	2205.6
20°	2547.6	2550.0	2536.8	2505.6	2448.0	2384.4	2343.6	2332.8	2331.6	2332.8	2335.2
22.5°	2545.2	2548.8	2544.0	2532.0	2494.8	2460.0	2455.2	2461.2	2464.8	2461.2	2469.6
25°	2526.0	2530.8	2530.8	2536.8	2527.2	2539.2	2577.6	2594.4	2595.6	2598.0	2616.0
27.5°	2568.0	2572.8	2571.6	2582.4	2590.8	2632.8	2702.4	2732.4	2736.0	2744.4	2761.2
30°	2762.4	2763.6	2742.0	2740.8	2749.2	2782.8	2853.6	2888.4	2884.8	2901.6	2912.4
32.5°	3069.6	3079.2	3057.6	3034.8	3031.2	3036.0	3049.2	3073.2	3069.6	3078.0	3092.4
35°	3420.0	3421.2	3409.2	3422.4	3429.6	3397.2	3334.8	3328.8	3309.6	3313.2	3318.0
37.5°	3741.6	3750.0	3772.8	3856.8	3904.8	3825.6	3703.2	3626.4	3614.4	3608.4	3566.4
40°	4042.8	4084.8	4140.0	4249.2	4315.2	4344.0	4170.0	4015.2	3973.2	3956.4	3890.4
42.5°	4395.6	4417.2	4482.0	4606.8	4694.4	4825.2	4708.8	4538.4	4489.2	4417.2	4334.4
45°	4694.4	4708.8	4749.6	4855.2	5038.8	5257.2	5270.4	5151.6	5113.2	5041.2	4920.0
47.5°	4894.8	4893.6	4923.6	5026.8	5265.6	5599.2	5797.2	5792.4	5748.0	5722.8	5619.6
50°	4972.8	4971.6	4990.8	5106.0	5366.4	5803.2	6240.0	6390.0	6388.8	6398.4	6345.6
52.5°	4987.2	4986.0	4988.4	5080.8	5346.0	5874.0	6559.2	6913.2	6964.8	7029.6	7088.4
55°	4879.2	4891.2	4917.6	5014.8	5269.2	5845.2	6795.6	7404.0	7527.6	7659.6	7873.2
57.5°	4629.6	4652.4	4743.6	4917.6	5187.6	5774.4	6960.0	8011.2	8262.0	8581.2	9159.6
60°	4272.0	4292.4	4418.4	4648.8	4950.0	5466.0	6769.2	8265.6	8742.0	9296.4	10482.0
62.5°	3639.6	3697.2	3764.4	3927.6	4243.2	4658.4	5912.4	7836.0	8574.0	9387.6	11019.6
65°	2444.4	2420.4	2532.0	2739.6	3086.4	3409.2	4356.0	6463.2	7396.8	8516.4	10536.0
67.5°	1513.2	1516.8	1592.4	1795.2	2056.8	2307.6	2761.2	4119.6	4947.6	6012.0	8440.8
70°	1250.4	1264.8	1326.0	1514.4	1737.6	2020.8	2049.6	2184.0	2554.8	3069.6	5214.0
72.5°	992.4	998.4	1060.8	1218.0	1533.6	1922.4	2433.6	1659.6	1630.8	1708.8	2644.8
75°	615.6	620.4	651.6	752.4	994.8	1497.6	2679.6	1908.0	1788.0	1687.2	1704.0
77.5°	318.0	327.6	344.4	390.0	522.0	836.4	2109.6	2419.2	2282.4	2145.6	1878.0
80°	180.0	180.0	195.6	206.4	247.2	340.8	1072.8	2618.4	2860.8	2919.6	2622.0
82.5°	80.4	90.0	121.2	129.6	141.6	156.0	355.2	1573.2	2182.8	2726.4	3369.6
85°	48.0	46.8	76.8	84.0	87.6	74.4	133.2	642.0	1020.0	1492.8	2233.2
87.5°	19.2	20.4	32.4	34.8	40.8	30.0	50.4	138.0	202.8	294.0	415.2
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: P146370
 CATALOG NUMBER: LDRL-T2-E06-E

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8
2.5°	1713.6	1713.6	1712.4	1711.2	1710.0	1706.4	1705.2	1702.8	1701.6	1698.0	1696.8
5°	1782.0	1778.4	1777.2	1774.8	1773.6	1768.8	1768.8	1764.0	1760.4	1755.6	1754.4
7.5°	1863.6	1858.8	1855.2	1852.8	1851.6	1843.2	1843.2	1836.0	1834.8	1828.8	1826.4
10°	1946.4	1942.8	1938.0	1935.6	1934.4	1929.6	1924.8	1920.0	1916.4	1912.8	1908.0
12.5°	2029.2	2022.0	2019.6	2016.0	2013.6	2010.0	2008.8	1998.0	1998.0	1994.4	1989.6
15°	2109.6	2108.4	2100.0	2098.8	2096.4	2097.6	2090.4	2091.6	2088.0	2082.0	2079.6
17.5°	2208.0	2199.6	2203.2	2197.2	2198.4	2196.0	2193.6	2192.4	2194.8	2193.6	2196.0
20°	2330.4	2328.0	2331.6	2323.2	2331.6	2332.8	2330.4	2336.4	2334.0	2336.4	2329.2
22.5°	2475.6	2467.2	2467.2	2473.2	2476.8	2487.6	2481.6	2486.4	2491.2	2494.8	2490.0
25°	2622.0	2619.6	2624.4	2629.2	2636.4	2646.0	2643.6	2644.8	2654.4	2660.4	2661.6
27.5°	2770.8	2770.8	2785.2	2785.2	2794.8	2805.6	2809.2	2814.0	2821.2	2829.6	2829.6
30°	2924.4	2924.4	2937.6	2949.6	2954.4	2967.6	2974.8	2982.0	2995.2	2997.6	3008.4
32.5°	3099.6	3103.2	3116.4	3123.6	3134.4	3150.0	3152.4	3160.8	3176.4	3181.2	3189.6
35°	3327.6	3315.6	3327.6	3340.8	3346.8	3342.0	3368.4	3379.2	3390.0	3396.0	3406.8
37.5°	3562.8	3542.4	3543.6	3541.2	3526.8	3535.2	3535.2	3532.8	3540.0	3538.8	3543.6
40°	3860.4	3824.4	3813.6	3790.8	3759.6	3742.8	3724.8	3722.4	3704.4	3711.6	3698.4
42.5°	4268.4	4214.4	4185.6	4114.8	4076.4	4030.8	3986.4	3948.0	3927.6	3904.8	3888.0
45°	4828.8	4765.2	4695.6	4581.6	4515.6	4424.4	4365.6	4278.0	4219.2	4170.0	4135.2
47.5°	5532.0	5425.2	5368.8	5262.0	5146.8	5008.8	4882.8	4760.4	4660.8	4552.8	4467.6
50°	6349.2	6216.0	6171.6	6030.0	5965.2	5810.4	5676.0	5524.8	5368.8	5205.6	5049.6
52.5°	7072.8	7057.2	7075.2	6980.4	6978.0	6900.0	6751.2	6574.8	6429.6	6265.2	6060.0
55°	7940.4	8095.2	8128.8	8115.6	8186.4	8184.0	8169.6	8151.6	8036.4	7803.6	7732.8
57.5°	9471.6	9645.6	9902.4	10018.8	10275.6	10305.6	10543.2	10450.8	10627.2	10579.2	10611.6
60°	11030.4	11564.4	12051.6	12422.4	12782.4	13110.0	13510.8	13682.4	13810.8	14011.2	14222.4
62.5°	11727.6	12400.8	12981.6	13509.6	13957.2	14372.4	14716.8	15043.2	15300.0	15530.4	15708.0
65°	11445.6	12226.8	12793.2	13344.0	13761.6	14148.0	14490.0	14734.8	14990.4	15199.2	15387.6
67.5°	9529.2	10569.6	11308.8	11934.0	12458.4	12898.8	13254.0	13591.2	13772.4	14000.4	14102.4
70°	6312.0	7646.4	8691.6	9536.4	10368.0	10867.2	11288.4	11680.8	11887.2	12072.0	12186.0
72.5°	3466.8	4378.8	5494.8	6499.2	7298.4	7953.6	8444.4	8816.4	9028.8	9187.2	9022.8
75°	1964.4	2414.4	2960.4	3516.0	4122.0	4584.0	4713.6	4872.0	4909.2	4827.6	4616.4
77.5°	1806.0	1806.0	1807.2	1794.0	1820.4	1852.8	1833.6	1801.2	1654.8	1622.4	1576.8
80°	2348.4	2092.8	1819.2	1494.0	1218.0	1027.2	968.4	973.2	1020.0	1111.2	1212.0
82.5°	3328.8	3076.8	2682.0	2186.4	1740.0	1365.6	1119.6	1006.8	1005.6	1096.8	1227.6
85°	2427.6	2448.0	2360.4	2088.0	1665.6	1311.6	1059.6	813.6	734.4	734.4	724.8
87.5°	424.8	438.0	378.0	338.4	236.4	166.8	150.0	132.0	130.8	135.6	124.8
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: P146370
 CATALOG NUMBER: LDRL-T2-E06-E

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8
2.5°	1696.8	1694.4	1692.0	1690.8	1690.8	1688.4	1688.4	1686.0	1687.2	1686.0	1682.4
5°	1752.0	1750.8	1747.2	1741.2	1740.0	1735.2	1736.4	1731.6	1731.6	1729.2	1723.2
7.5°	1821.6	1819.2	1816.8	1812.0	1807.2	1807.2	1798.8	1798.8	1792.8	1790.4	1785.6
10°	1904.4	1897.2	1893.6	1888.8	1887.6	1886.4	1878.0	1878.0	1870.8	1869.6	1866.0
12.5°	1986.0	1981.2	1977.6	1975.2	1969.2	1968.0	1964.4	1960.8	1957.2	1954.8	1953.6
15°	2074.8	2072.4	2068.8	2068.8	2068.8	2062.8	2059.2	2056.8	2056.8	2053.2	2055.6
17.5°	2190.0	2193.6	2188.8	2186.4	2182.8	2188.8	2182.8	2182.8	2186.4	2186.4	2178.0
20°	2332.8	2337.6	2332.8	2334.0	2331.6	2332.8	2334.0	2336.4	2341.2	2332.8	2334.0
22.5°	2491.2	2492.4	2496.0	2492.4	2498.4	2494.8	2502.0	2508.0	2506.8	2504.4	2505.6
25°	2664.0	2660.4	2661.6	2672.4	2680.8	2678.4	2679.6	2689.2	2686.8	2684.4	2685.6
27.5°	2839.2	2836.8	2840.4	2850.0	2859.6	2858.4	2856.0	2863.2	2863.2	2857.2	2859.6
30°	3013.2	3016.8	3022.8	3022.8	3027.6	3032.4	3028.8	3037.2	3038.4	3033.6	3039.6
32.5°	3196.8	3204.0	3201.6	3218.4	3218.4	3219.6	3223.2	3222.0	3234.0	3224.4	3228.0
35°	3417.6	3420.0	3434.4	3446.4	3453.6	3459.6	3459.6	3463.2	3469.2	3464.4	3471.6
37.5°	3552.0	3556.8	3561.6	3568.8	3568.8	3568.8	3574.8	3576.0	3579.6	3578.4	3580.8
40°	3699.6	3700.8	3702.0	3703.2	3708.0	3710.4	3704.4	3712.8	3706.8	3709.2	3712.8
42.5°	3878.4	3861.6	3864.0	3860.4	3868.8	3858.0	3860.4	3870.0	3865.2	3872.4	3872.4
45°	4086.0	4066.8	4050.0	4040.4	4040.4	4026.0	4028.4	4032.0	4038.0	4047.6	4064.4
47.5°	4393.2	4327.2	4294.8	4261.2	4244.4	4226.4	4232.4	4233.6	4236.0	4251.6	4293.6
50°	4896.0	4785.6	4700.4	4598.4	4560.0	4528.8	4510.8	4512.0	4512.0	4544.4	4586.4
52.5°	5868.0	5662.8	5460.0	5282.4	5130.0	5056.8	4971.6	4950.0	4951.2	4978.8	5007.6
55°	7546.8	7264.8	7050.0	6655.2	6535.2	6198.0	6020.4	5918.4	5839.2	5877.6	5919.6
57.5°	10558.8	10298.4	10128.0	9656.4	9226.8	9104.4	8812.8	8576.4	8479.2	8366.4	8373.6
60°	14253.6	14119.2	14076.0	13800.0	13645.2	13164.0	13125.6	12826.8	12544.8	12301.2	12400.8
62.5°	15844.8	15907.2	15957.6	16054.8	16092.0	16046.4	15853.2	15721.2	15489.6	15170.4	14974.8
65°	15442.8	15585.6	15800.4	16003.2	16245.6	16447.2	16546.8	16508.4	16299.6	15970.8	15560.4
67.5°	14175.6	14320.8	14505.6	14762.4	15133.2	15525.6	15799.2	15973.2	15807.6	15511.2	15093.6
70°	12180.0	12321.6	12327.6	12686.4	13086.0	13580.4	14065.2	14247.6	14059.2	13861.2	13512.0
72.5°	9122.4	9037.2	9116.4	9182.4	9410.4	9722.4	10192.8	10172.4	9884.4	9730.8	9194.4
75°	4287.6	4230.0	4146.0	4090.8	4038.0	3927.6	3980.4	3754.8	3676.8	3708.0	3244.8
77.5°	1542.0	1462.8	1335.6	1212.0	1056.0	874.8	738.0	648.0	603.6	604.8	577.2
80°	1293.6	1332.0	1314.0	1191.6	1016.4	826.8	619.2	469.2	400.8	372.0	354.0
82.5°	1402.8	1596.0	1692.0	1616.4	1365.6	1051.2	676.8	409.2	300.0	256.8	246.0
85°	777.6	778.8	754.8	721.2	639.6	439.2	292.8	194.4	156.0	139.2	134.4
87.5°	132.0	126.0	126.0	117.6	103.2	100.8	90.0	85.2	75.6	69.6	67.2
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: P146370
 CATALOG NUMBER: LDRL-T2-E06-E

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8
2.5°	1678.8	1676.4	1675.2	1674.0	1674.0	1672.8	1672.8	1670.4	1668.0	1666.8	1665.6
5°	1717.2	1714.8	1712.4	1710.0	1710.0	1707.6	1705.2	1702.8	1699.2	1693.2	1692.0
7.5°	1782.0	1777.2	1777.2	1768.8	1768.8	1764.0	1760.4	1760.4	1755.6	1746.0	1744.8
10°	1862.4	1854.0	1850.4	1845.6	1843.2	1838.4	1838.4	1833.6	1831.2	1827.6	1815.6
12.5°	1948.8	1942.8	1940.4	1934.4	1930.8	1930.8	1928.4	1920.0	1926.0	1917.6	1911.6
15°	2053.2	2052.0	2041.2	2044.8	2043.6	2042.4	2043.6	2036.4	2035.2	2035.2	2028.0
17.5°	2184.0	2174.4	2175.6	2175.6	2178.0	2178.0	2168.4	2173.2	2174.4	2172.0	2169.6
20°	2337.6	2334.0	2337.6	2330.4	2337.6	2337.6	2342.4	2341.2	2342.4	2344.8	2344.8
22.5°	2502.0	2511.6	2512.8	2515.2	2506.8	2521.2	2521.2	2523.6	2529.6	2529.6	2532.0
25°	2701.2	2696.4	2690.4	2698.8	2701.2	2710.8	2713.2	2713.2	2722.8	2722.8	2726.4
27.5°	2866.8	2871.6	2870.4	2875.2	2872.8	2886.0	2890.8	2905.2	2901.6	2908.8	2918.4
30°	3037.2	3046.8	3042.0	3043.2	3049.2	3057.6	3067.2	3081.6	3084.0	3103.2	3108.0
32.5°	3234.0	3241.2	3247.2	3249.6	3249.6	3264.0	3279.6	3284.4	3309.6	3324.0	3340.8
35°	3483.6	3484.8	3488.4	3492.0	3489.6	3505.2	3520.8	3525.6	3552.0	3555.6	3590.4
37.5°	3589.2	3591.6	3606.0	3613.2	3618.0	3637.2	3666.0	3687.6	3716.4	3744.0	3783.6
40°	3721.2	3735.6	3748.8	3759.6	3777.6	3804.0	3848.4	3870.0	3913.2	3964.8	4003.2
42.5°	3888.0	3914.4	3924.0	3944.4	3988.8	4021.2	4065.6	4112.4	4170.0	4232.4	4278.0
45°	4086.0	4111.2	4147.2	4170.0	4221.6	4273.2	4344.0	4384.8	4443.6	4515.6	4566.0
47.5°	4326.0	4360.8	4396.8	4443.6	4504.8	4558.8	4629.6	4682.4	4741.2	4800.0	4855.2
50°	4624.8	4676.4	4724.4	4773.6	4855.2	4900.8	4970.4	5025.6	5080.8	5139.6	5190.0
52.5°	5026.8	5104.8	5166.0	5199.6	5310.0	5355.6	5440.8	5479.2	5524.8	5577.6	5642.4
55°	5904.0	6025.2	6128.4	6188.4	6356.4	6416.4	6526.8	6583.2	6552.0	6619.2	6735.6
57.5°	8440.8	8589.6	8713.2	8794.8	8966.4	9050.4	9056.4	9267.6	9142.8	9266.4	9284.4
60°	12135.6	12253.2	12223.2	12224.4	12170.4	12092.4	12242.4	12014.4	12110.4	12116.4	11901.6
62.5°	14613.6	14433.6	14349.6	14210.4	14048.4	13923.6	13838.4	13654.8	13508.4	13392.0	13165.2
65°	15196.8	14884.8	14608.8	14348.4	14109.6	13944.0	13764.0	13567.2	13338.0	13144.8	12924.0
67.5°	14632.8	14196.0	13786.8	13443.6	13117.2	12898.8	12638.4	12451.2	12163.2	11908.8	11740.8
70°	12997.2	12392.4	11914.8	11695.2	11371.2	10902.0	10653.6	10419.6	10243.2	10012.8	9910.8
72.5°	9117.6	8371.2	8002.8	8017.2	7688.4	7352.4	7360.8	7218.0	6990.0	6982.8	6948.0
75°	3350.4	3048.0	2835.6	2845.2	2722.8	2592.0	2628.0	2666.4	2592.0	2743.2	2509.2
77.5°	532.8	518.4	513.6	502.8	476.4	495.6	482.4	507.6	511.2	538.8	541.2
80°	339.6	325.2	321.6	315.6	314.4	314.4	312.0	312.0	312.0	313.2	310.8
82.5°	226.8	218.4	217.2	213.6	219.6	220.8	222.0	231.6	240.0	242.4	252.0
85°	123.6	117.6	117.6	115.2	120.0	121.2	132.0	145.2	162.0	169.2	184.8
87.5°	62.4	66.0	64.8	67.2	70.8	79.2	87.6	96.0	105.6	118.8	129.6
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: P146370
 CATALOG NUMBER: LDRL-T2-E06-E

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8	1666.8
2.5°	1663.2	1662.0	1662.0	1659.6	1659.6	1658.4	1656.0	1653.6	1642.8	1629.6	1621.2
5°	1688.4	1686.0	1684.8	1682.4	1678.8	1678.8	1675.2	1670.4	1650.0	1628.4	1615.2
7.5°	1740.0	1738.8	1735.2	1730.4	1725.6	1720.8	1718.4	1716.0	1684.8	1664.4	1654.8
10°	1814.4	1813.2	1804.8	1803.6	1796.4	1797.6	1791.6	1786.8	1766.4	1743.6	1730.4
12.5°	1909.2	1914.0	1909.2	1898.4	1900.8	1897.2	1891.2	1885.2	1867.2	1849.2	1828.8
15°	2026.8	2020.8	2016.0	2025.6	2017.2	2016.0	2019.6	2020.8	1999.2	1980.0	1951.2
17.5°	2173.2	2173.2	2170.8	2173.2	2168.4	2172.0	2169.6	2172.0	2162.4	2136.0	2094.0
20°	2340.0	2349.6	2349.6	2346.0	2344.8	2352.0	2355.6	2342.4	2344.8	2322.0	2246.4
22.5°	2534.4	2541.6	2544.0	2540.4	2541.6	2551.2	2557.2	2547.6	2569.2	2532.0	2415.6
25°	2734.8	2745.6	2740.8	2742.0	2751.6	2762.4	2773.2	2763.6	2805.6	2748.0	2595.6
27.5°	2932.8	2942.4	2940.0	2947.2	2962.8	2977.2	2989.2	2985.6	3055.2	2979.6	2785.2
30°	3120.0	3142.8	3147.6	3156.0	3175.2	3199.2	3218.4	3217.2	3307.2	3205.2	2940.0
32.5°	3350.4	3375.6	3385.2	3403.2	3440.4	3457.2	3481.2	3483.6	3573.6	3403.2	3070.8
35°	3616.8	3642.0	3662.4	3675.6	3717.6	3738.0	3762.0	3772.8	3832.8	3588.0	3162.0
37.5°	3823.2	3844.8	3884.4	3912.0	3949.2	3990.0	4017.6	4030.8	4064.4	3746.4	3204.0
40°	4048.8	4095.6	4134.0	4176.0	4216.8	4249.2	4274.4	4294.8	4281.6	3878.4	3186.0
42.5°	4334.4	4383.6	4435.2	4471.2	4492.8	4536.0	4548.0	4562.4	4454.4	3938.4	3104.4
45°	4632.0	4671.6	4714.8	4741.2	4770.0	4791.6	4795.2	4796.4	4582.8	3903.6	2956.8
47.5°	4918.8	4952.4	4982.4	4996.8	5011.2	5012.4	5006.4	4996.8	4651.2	3786.0	2779.2
50°	5233.2	5253.6	5266.8	5268.0	5281.2	5256.0	5239.2	5194.8	4644.0	3606.0	2592.0
52.5°	5685.6	5680.8	5664.0	5662.8	5620.8	5572.8	5541.6	5478.0	4594.8	3411.6	2376.0
55°	6724.8	6679.2	6732.0	6597.6	6486.0	6411.6	6235.2	6106.8	4644.0	3230.4	2127.6
57.5°	9222.0	9066.0	9082.8	8865.6	8628.0	8182.8	7920.0	7564.8	5030.4	3129.6	1814.4
60°	11856.0	11599.2	11356.8	10971.6	10466.4	9901.2	9392.4	8836.8	5414.4	3006.0	1480.8
62.5°	12943.2	12612.0	12190.8	11647.2	10998.0	10297.2	9594.0	8960.4	5203.2	2634.0	1066.8
65°	12592.8	12196.8	11748.0	11038.8	10302.0	9487.2	8716.8	8047.2	4333.2	1926.0	644.4
67.5°	11348.4	11007.6	10454.4	9784.8	8872.8	8055.6	7293.6	6674.4	3194.4	1190.4	369.6
70°	9555.6	9084.0	8611.2	7968.0	7006.8	6236.4	5527.2	4980.0	2026.8	588.0	272.4
72.5°	6595.2	6222.0	5844.0	5268.0	4550.4	4020.0	3410.4	2960.4	1060.8	316.8	250.8
75°	2569.2	2528.4	2485.2	2223.6	1980.0	1586.4	1393.2	1256.4	441.6	274.8	247.2
77.5°	564.0	597.6	616.8	584.4	556.8	496.8	475.2	424.8	295.2	282.0	244.8
80°	310.8	310.8	310.8	314.4	308.4	308.4	304.8	298.8	276.0	282.0	240.0
82.5°	254.4	258.0	262.8	264.0	262.8	264.0	261.6	260.4	270.0	283.2	228.0
85°	194.4	206.4	213.6	223.2	232.8	238.8	241.2	242.4	248.4	268.8	199.2
87.5°	138.0	147.6	163.2	165.6	176.4	189.6	194.4	201.6	198.0	204.0	93.6
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: P146370
 CATALOG NUMBER: LDRL-T2-E06-E

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	1666.8	1666.8	1666.8	1666.8	1666.8
2.5°	1614.0	1604.4	1600.8	1599.6	1597.2
5°	1604.4	1598.4	1593.6	1590.0	1592.4
7.5°	1647.6	1644.0	1635.6	1633.2	1636.8
10°	1724.4	1716.0	1704.0	1705.2	1704.0
12.5°	1820.4	1797.6	1778.4	1770.0	1764.0
15°	1918.8	1874.4	1834.8	1816.8	1809.6
17.5°	2028.0	1952.4	1891.2	1858.8	1852.8
20°	2143.2	2038.8	1959.6	1921.2	1915.2
22.5°	2276.4	2132.4	2031.6	1978.8	1970.4
25°	2406.0	2216.4	2082.0	2017.2	2006.4
27.5°	2523.6	2280.0	2112.0	2035.2	2024.4
30°	2622.0	2330.4	2137.2	2049.6	2037.6
32.5°	2686.8	2358.0	2145.6	2050.8	2036.4
35°	2707.2	2340.0	2109.6	2000.4	1988.4
37.5°	2664.0	2266.8	2013.6	1890.0	1880.4
40°	2565.6	2131.2	1862.4	1734.0	1722.0
42.5°	2412.0	1959.6	1687.2	1551.6	1540.8
45°	2241.6	1776.0	1501.2	1365.6	1354.8
47.5°	2055.6	1581.6	1305.6	1180.8	1164.0
50°	1851.6	1370.4	1106.4	984.0	968.4
52.5°	1612.8	1140.0	895.2	784.8	775.2
55°	1333.2	908.4	712.8	632.4	622.8
57.5°	1036.8	691.2	566.4	526.8	511.2
60°	752.4	525.6	451.2	432.0	423.6
62.5°	511.2	392.4	363.6	357.6	351.6
65°	346.8	307.2	298.8	300.0	296.4
67.5°	273.6	258.0	253.2	255.6	254.4
70°	240.0	228.0	226.8	229.2	228.0
72.5°	226.8	211.2	213.6	217.2	216.0
75°	220.8	204.0	208.8	211.2	205.2
77.5°	214.8	193.2	207.6	212.4	200.4
80°	206.4	183.6	217.2	214.8	192.0
82.5°	188.4	162.0	212.4	194.4	172.8
85°	153.6	121.2	238.8	171.6	126.0
87.5°	98.4	73.2	165.6	130.8	84.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)