

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: P144870

Luminaire Tested: **LDRL-SL2-E06-E**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P144870
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33701)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: LDRL-SL2-E06-E
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (126) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17567.9 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G3

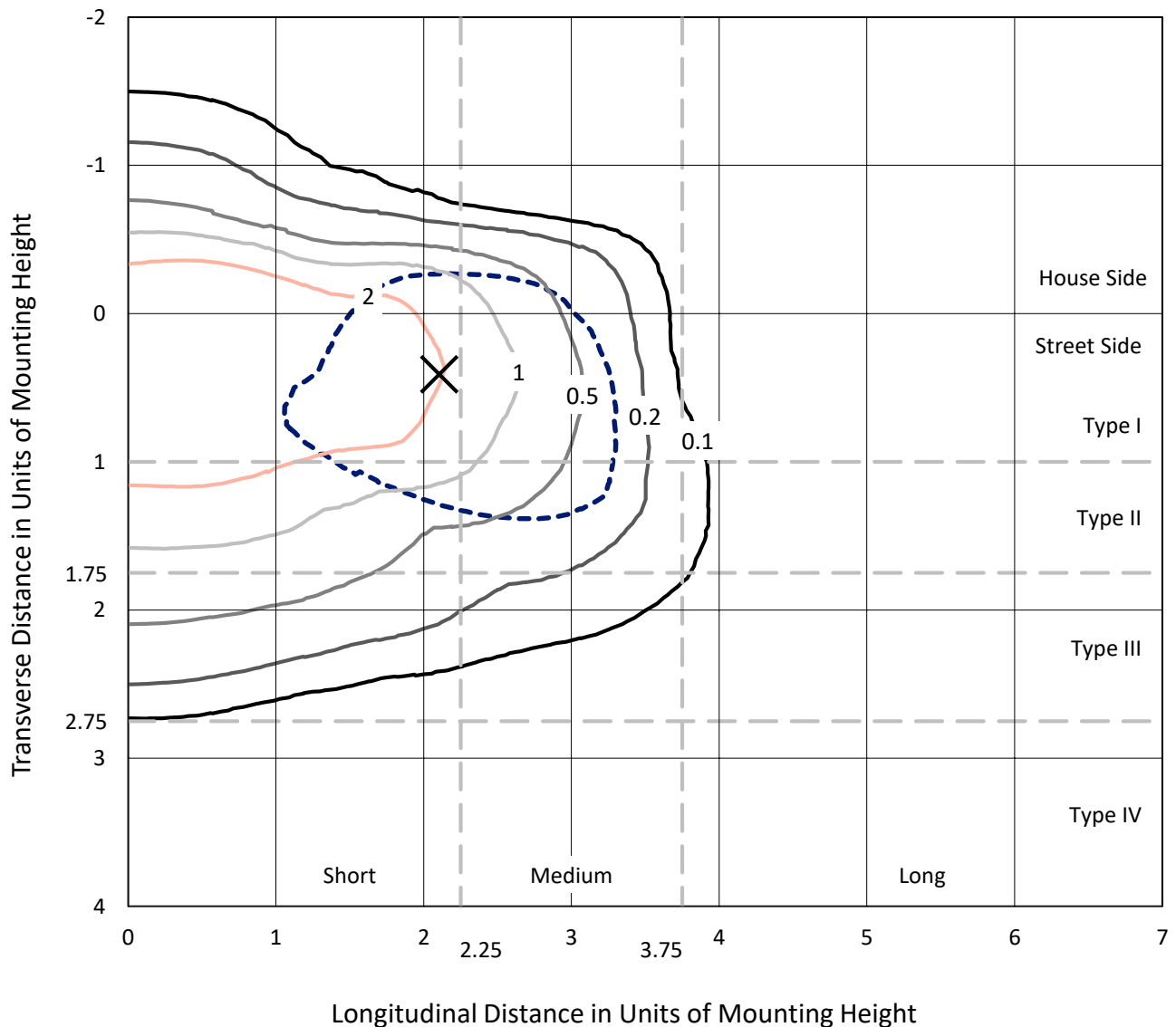
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P144870
 CATALOG NUMBER: LDRL-SL2-E06-E

Iso-Footcandle Lines of Horizontal Illumination

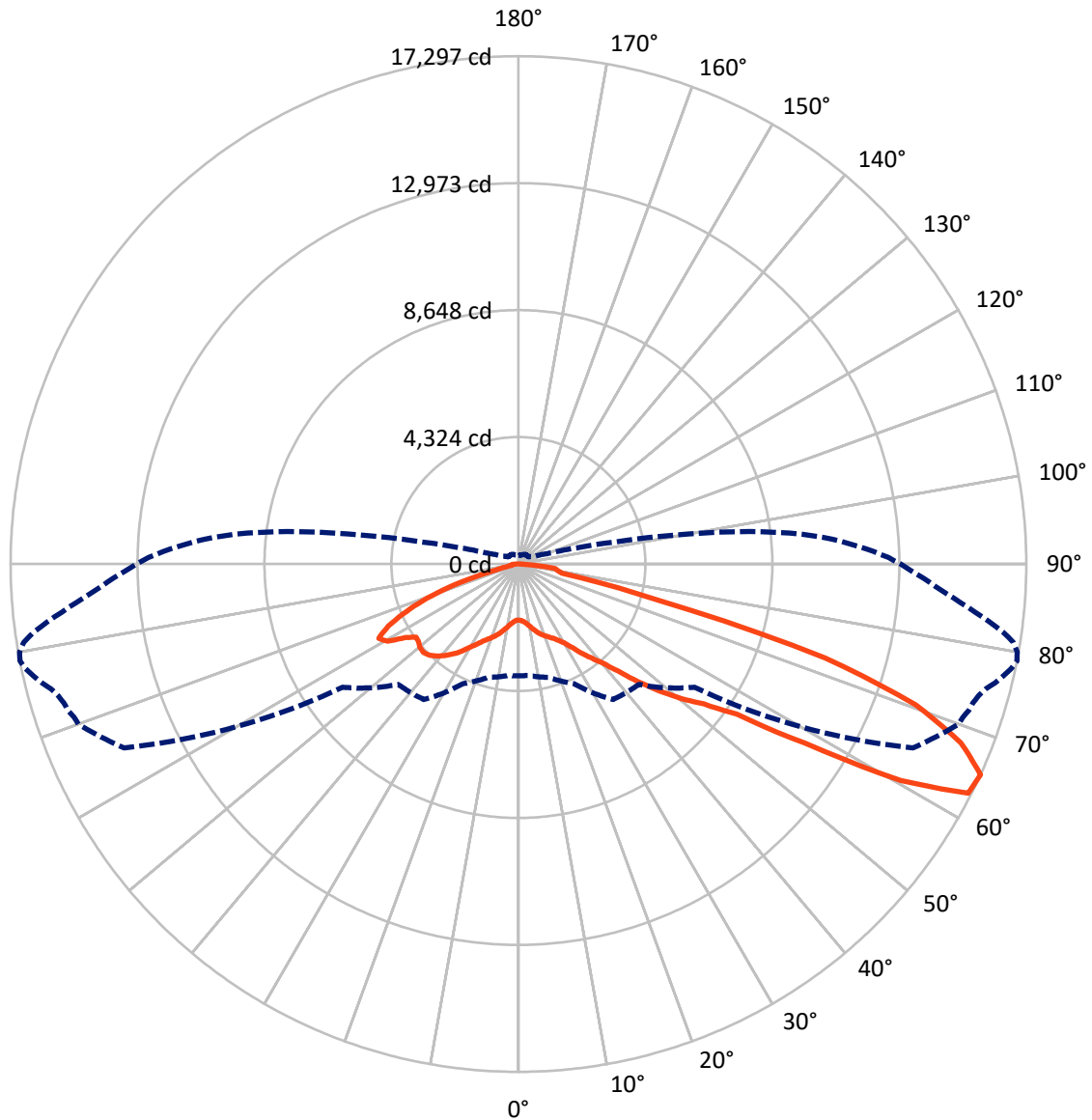
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P144870
CATALOG NUMBER: LDRL-SL2-E06-E

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P144870

CATALOG NUMBER: LDRL-SL2-E06-E

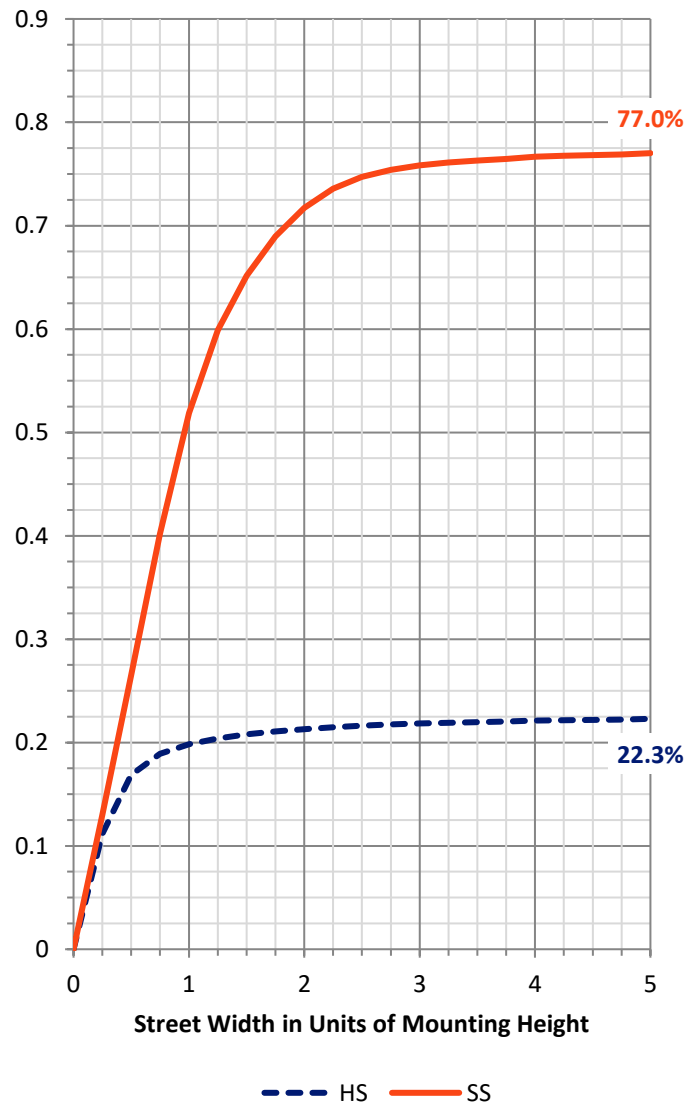
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3987.7	0.0	3987.7
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	13580.2	0.0	13580.2
	% Fixture	77.3	0.0	77.3
Total	Lumens	17567.9	0.0	17567.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.6	1.1
10°-20°	616.9	3.5
20°-30°	1063.5	6.1
30°-40°	1734.3	9.9
40°-50°	2895.3	16.5
50°-60°	3915.0	22.3
60°-70°	4863.6	27.7
70°-80°	1947.5	11.1
80°-90°	342.2	1.9
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°	17567.9	100.0
0°-180°	17567.9	100.0



REPORT NUMBER: P144870

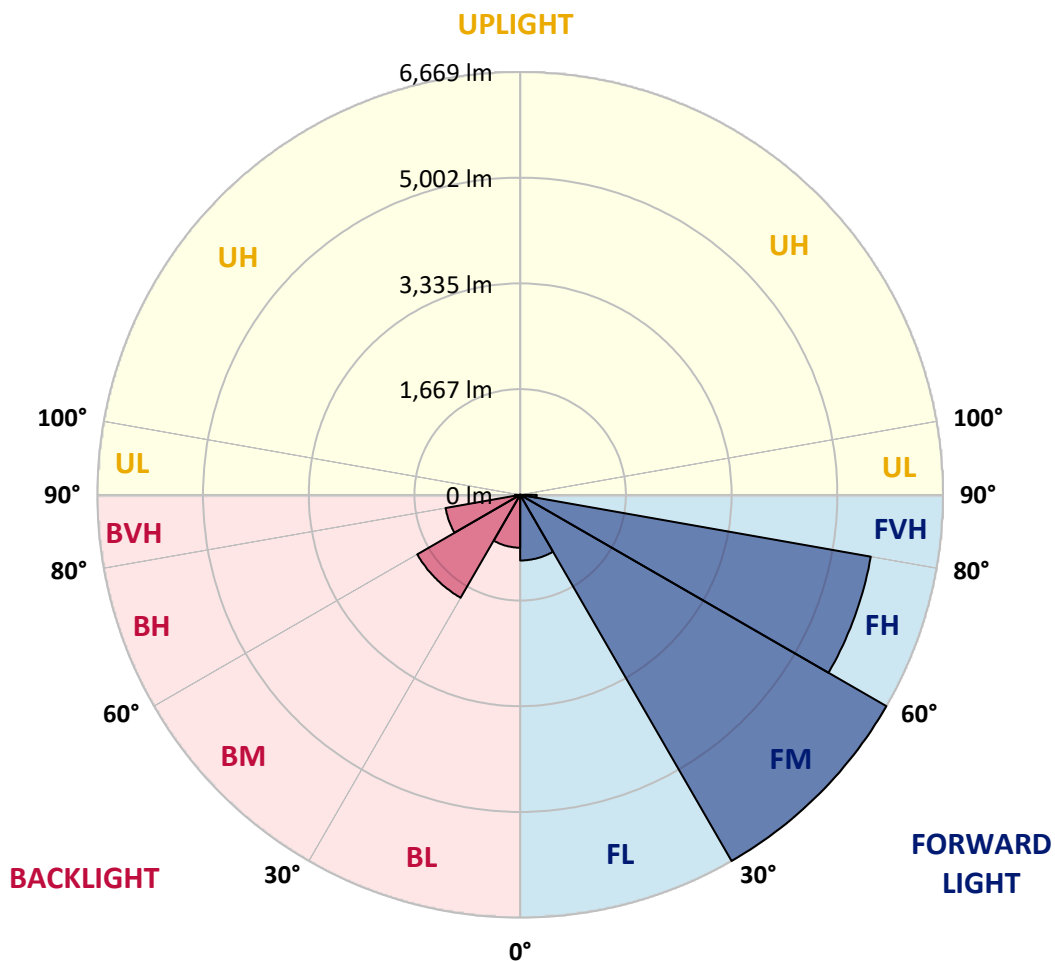
CATALOG NUMBER: LDRL-SL2-E06-E

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1035.9	5.9			
FM	(30°-60°)	6669.0	38.0			
FH	(60°-80°)	5615.7	32.0			G3/7500
FVH	(80°-90°)	259.6	1.5			G3/500
BL	(0°-30°)	834.0	4.7	B2/1000		
BM	(30°-60°)	1875.6	10.7	B2/2500		
BH	(60°-80°)	1195.4	6.8	B3/2500		G3/2500
BVH	(80°-90°)	82.6	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: P144870

CATALOG NUMBER: LDRL-SL2-E06-E

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2
2.5°	1923.6	1922.4	1928.4	1933.2	1933.2	1935.6	1934.4	1927.2	1928.4	1930.8	1928.4
5°	1945.2	1940.4	1946.4	1953.6	1958.4	1964.4	1970.4	1971.6	1976.4	1976.4	1975.2
7.5°	1992.0	1988.4	1996.8	1999.2	2010.0	2019.6	2031.6	2040.0	2044.8	2047.2	2050.8
10°	2072.4	2070.0	2072.4	2077.2	2082.0	2092.8	2113.2	2131.2	2142.0	2142.0	2146.8
12.5°	2169.6	2160.0	2162.4	2152.8	2155.2	2178.0	2202.0	2232.0	2250.0	2252.4	2254.8
15°	2245.2	2240.4	2236.8	2223.6	2233.2	2263.2	2300.4	2343.6	2359.2	2372.4	2371.2
17.5°	2316.0	2310.0	2301.6	2283.6	2293.2	2341.2	2397.6	2445.6	2472.0	2474.4	2476.8
20°	2400.0	2392.8	2377.2	2340.0	2337.6	2404.8	2480.4	2532.0	2556.0	2566.8	2570.4
22.5°	2506.8	2497.2	2468.4	2396.4	2377.2	2456.4	2546.4	2610.0	2635.2	2646.0	2652.0
25°	2643.6	2624.4	2578.8	2466.0	2426.4	2509.2	2617.2	2694.0	2728.8	2739.6	2746.8
27.5°	2767.2	2752.8	2697.6	2564.4	2496.0	2580.0	2703.6	2802.0	2850.0	2863.2	2874.0
30°	2911.2	2890.8	2846.4	2704.8	2613.6	2688.0	2845.2	2970.0	3028.8	3030.0	3054.0
32.5°	3249.6	3236.4	3195.6	3039.6	2886.0	2890.8	3037.2	3208.8	3267.6	3277.2	3298.8
35°	3751.2	3746.4	3745.2	3658.8	3544.8	3427.2	3438.0	3568.8	3608.4	3624.0	3631.2
37.5°	4081.2	4123.2	4225.2	4287.6	4258.8	4284.0	4152.0	3992.4	3969.6	3952.8	3960.0
40°	4365.6	4402.8	4609.2	4897.2	5072.4	5196.0	5079.6	4590.0	4407.6	4354.8	4334.4
42.5°	4533.6	4575.6	4870.8	5331.6	5778.0	6070.8	6102.0	5421.6	4958.4	4952.4	4875.6
45°	4624.8	4666.8	5019.6	5640.0	6271.2	6799.2	7072.8	6445.2	5764.8	5714.4	5607.6
47.5°	4606.8	4646.4	5013.6	5754.0	6562.8	7282.8	7830.0	7479.6	6694.8	6573.6	6426.0
50°	4387.2	4416.0	4801.2	5568.0	6484.8	7484.4	8348.4	8428.8	7747.2	7582.8	7362.0
52.5°	4160.4	4212.0	4531.2	5238.0	6130.8	7359.6	8658.0	9292.8	8730.0	8617.2	8334.0
55°	4038.0	4078.8	4339.2	4942.8	5757.6	6933.6	8786.4	10107.6	9924.0	9878.4	9678.0
57.5°	4033.2	4072.8	4280.4	4764.0	5454.0	6489.6	8823.6	11366.4	11905.2	11917.2	11859.6
60°	4230.0	4270.8	4444.8	4850.4	5360.4	6109.2	8690.4	13152.0	14342.4	14448.0	14624.4
62.5°	4257.6	4276.8	4486.8	5034.0	5701.2	5824.8	8142.0	14638.8	16017.6	16114.8	16212.0
65°	3808.8	3807.6	3993.6	4497.6	5630.4	5796.0	7317.6	14821.2	15950.4	16009.2	16130.4
67.5°	2840.4	2816.4	2922.0	3382.8	4467.6	5803.2	6340.8	13444.8	14707.2	14818.8	14859.6
70°	1464.0	1501.2	1573.2	1855.2	2836.8	4671.6	5446.8	11343.6	12910.8	12952.8	13098.0
72.5°	601.2	585.6	634.8	780.0	1419.6	3087.6	4506.0	8952.0	10663.2	10634.4	10660.8
75°	334.8	339.6	354.0	406.8	690.0	1550.4	3871.2	6337.2	7251.6	6754.8	6604.8
77.5°	268.8	271.2	272.4	282.0	376.8	826.8	2971.2	4173.6	3646.8	3386.4	3286.8
80°	196.8	210.0	224.4	226.8	259.2	469.2	1629.6	3513.6	3078.0	2862.0	2684.4
82.5°	158.4	164.4	195.6	200.4	206.4	279.6	738.0	3300.0	3066.0	2845.2	2600.4
85°	94.8	105.6	159.6	160.8	163.2	170.4	408.0	1344.0	1671.6	1477.2	1352.4
87.5°	33.6	43.2	79.2	66.0	84.0	69.6	178.8	450.0	554.4	526.8	466.8
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: P144870

CATALOG NUMBER: LDRL-SL2-E06-E

CANDELA DISTRIBUTION (continued):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2
2.5°	1927.2	1927.2	1929.6	1928.4	1928.4	1928.4	1928.4	1926.0	1926.0	1922.4	1924.8
5°	1975.2	1974.0	1975.2	1976.4	1975.2	1977.6	1976.4	1975.2	1976.4	1975.2	1976.4
7.5°	2052.0	2046.0	2054.4	2049.6	2048.4	2055.6	2052.0	2055.6	2056.8	2055.6	2054.4
10°	2149.2	2152.8	2152.8	2152.8	2150.4	2157.6	2158.8	2161.2	2162.4	2167.2	2167.2
12.5°	2260.8	2262.0	2266.8	2265.6	2268.0	2276.4	2282.4	2283.6	2284.8	2288.4	2283.6
15°	2380.8	2383.2	2383.2	2394.0	2390.4	2402.4	2406.0	2406.0	2407.2	2421.6	2422.8
17.5°	2487.6	2487.6	2497.2	2497.2	2506.8	2509.2	2520.0	2521.2	2526.0	2539.2	2540.4
20°	2577.6	2582.4	2588.4	2595.6	2599.2	2606.4	2613.6	2620.8	2626.8	2637.6	2638.8
22.5°	2662.8	2667.6	2677.2	2682.0	2690.4	2695.2	2701.2	2709.6	2719.2	2733.6	2737.2
25°	2761.2	2766.0	2776.8	2784.0	2793.6	2800.8	2811.6	2822.4	2828.4	2842.8	2853.6
27.5°	2886.0	2900.4	2914.8	2918.4	2925.6	2942.4	2956.8	2971.2	2984.4	2991.6	3004.8
30°	3068.4	3068.4	3098.4	3098.4	3111.6	3127.2	3136.8	3152.4	3176.4	3183.6	3200.4
32.5°	3313.2	3319.2	3330.0	3362.4	3386.4	3393.6	3400.8	3423.6	3438.0	3456.0	3476.4
35°	3662.4	3668.4	3674.4	3705.6	3733.2	3740.4	3747.6	3762.0	3786.0	3817.2	3807.6
37.5°	3975.6	3979.2	3998.4	4033.2	4048.8	4068.0	4074.0	4100.4	4113.6	4142.4	4143.6
40°	4352.4	4344.0	4354.8	4394.4	4418.4	4417.2	4436.4	4484.4	4494.0	4507.2	4540.8
42.5°	4878.0	4846.8	4880.4	4893.6	4929.6	4952.4	4990.8	5023.2	5046.0	5096.4	5120.4
45°	5557.2	5524.8	5552.4	5558.4	5632.8	5655.6	5713.2	5756.4	5805.6	5863.2	5880.0
47.5°	6331.2	6271.2	6237.6	6274.8	6363.6	6400.8	6457.2	6498.0	6549.6	6579.6	6570.0
50°	7227.6	7083.6	7016.4	6997.2	7060.8	7113.6	7201.2	7220.4	7244.4	7243.2	7244.4
52.5°	8227.2	8077.2	7936.8	7839.6	7830.0	7900.8	7922.4	7927.2	7920.0	7866.0	7832.4
55°	9532.8	9522.0	9374.4	9172.8	9159.6	9151.2	9025.2	9009.6	8980.8	8898.0	8784.0
57.5°	11901.6	12021.6	11924.4	11919.6	11814.0	11744.4	11512.8	11397.6	11276.4	11052.0	10873.2
60°	14640.0	14814.0	14910.0	14952.0	15158.4	15158.4	14968.8	14805.6	14608.8	14266.8	13933.2
62.5°	16288.8	16441.2	16582.8	16804.8	17067.6	17184.0	17193.6	17048.4	16800.0	16410.0	15938.4
65°	16184.4	16297.2	16468.8	16730.4	16947.6	17156.4	17296.8	17252.4	17062.8	16672.8	16159.2
67.5°	15002.4	15166.8	15388.8	15630.0	15831.6	16028.4	16255.2	16272.0	16221.6	15850.8	15386.4
70°	13178.4	13389.6	13530.0	13833.6	13924.8	14124.0	14352.0	14461.2	14379.6	14094.0	13821.6
72.5°	10706.4	10873.2	10897.2	10765.2	10810.8	10860.0	10915.2	10659.6	10561.2	10179.6	10004.4
75°	6492.0	6272.4	6087.6	5904.0	5355.6	5161.2	4862.4	4273.2	4206.0	3801.6	3520.8
77.5°	3087.6	2995.2	2828.4	2548.8	2176.8	1820.4	1510.8	1227.6	1122.0	924.0	787.2
80°	2584.8	2474.4	2324.4	2116.8	1856.4	1597.2	1352.4	1142.4	931.2	758.4	606.0
82.5°	2371.2	2179.2	1968.0	1789.2	1605.6	1429.2	1264.8	1075.2	963.6	777.6	634.8
85°	1198.8	1050.0	850.8	716.4	604.8	492.0	426.0	363.6	324.0	258.0	224.4
87.5°	402.0	328.8	244.8	207.6	187.2	160.8	147.6	140.4	136.8	121.2	108.0
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: P144870

CATALOG NUMBER: LDRL-SL2-E06-E

CANDELA DISTRIBUTION (continued):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2
2.5°	1924.8	1924.8	1924.8	1924.8	1923.6	1923.6	1923.6	1923.6	1923.6	1923.6	1924.8
5°	1974.0	1974.0	1975.2	1978.8	1971.6	1974.0	1976.4	1972.8	1976.4	1972.8	1977.6
7.5°	2053.2	2056.8	2054.4	2059.2	2056.8	2064.0	2059.2	2055.6	2058.0	2058.0	2059.2
10°	2164.8	2169.6	2166.0	2168.4	2168.4	2173.2	2167.2	2168.4	2169.6	2167.2	2168.4
12.5°	2288.4	2290.8	2289.6	2296.8	2293.2	2296.8	2293.2	2298.0	2300.4	2302.8	2302.8
15°	2422.8	2425.2	2432.4	2431.2	2438.4	2436.0	2437.2	2431.2	2443.2	2436.0	2438.4
17.5°	2546.4	2545.2	2554.8	2558.4	2559.6	2560.8	2564.4	2559.6	2560.8	2564.4	2562.0
20°	2642.4	2650.8	2653.2	2662.8	2670.0	2672.4	2671.2	2674.8	2679.6	2674.8	2674.8
22.5°	2744.4	2756.4	2760.0	2766.0	2773.2	2774.4	2781.6	2785.2	2787.6	2786.4	2787.6
25°	2866.8	2875.2	2883.6	2895.6	2904.0	2905.2	2911.2	2916.0	2917.2	2916.0	2923.2
27.5°	3016.8	3027.6	3038.4	3052.8	3062.4	3064.8	3078.0	3078.0	3085.2	3088.8	3091.2
30°	3210.0	3213.6	3241.2	3255.6	3252.0	3268.8	3286.8	3285.6	3294.0	3296.4	3302.4
32.5°	3490.8	3490.8	3514.8	3532.8	3552.0	3546.0	3573.6	3568.8	3582.0	3589.2	3585.6
35°	3831.6	3843.6	3861.6	3872.4	3892.8	3903.6	3922.8	3933.6	3939.6	3938.4	3925.2
37.5°	4183.2	4202.4	4209.6	4236.0	4256.4	4274.4	4276.8	4264.8	4269.6	4245.6	4238.4
40°	4585.2	4612.8	4629.6	4669.2	4666.8	4689.6	4692.0	4657.2	4651.2	4620.0	4587.6
42.5°	5146.8	5185.2	5198.4	5228.4	5204.4	5215.2	5155.2	5140.8	5092.8	5042.4	4969.2
45°	5904.0	5884.8	5893.2	5884.8	5821.2	5774.4	5725.2	5654.4	5583.6	5486.4	5382.0
47.5°	6570.0	6579.6	6517.2	6477.6	6374.4	6308.4	6218.4	6094.8	6008.4	5877.6	5739.6
50°	7216.8	7110.0	7022.4	6931.2	6840.0	6718.8	6583.2	6474.0	6348.0	6184.8	6015.6
52.5°	7742.4	7604.4	7498.8	7369.2	7245.6	7111.2	6969.6	6811.2	6645.6	6482.4	6273.6
55°	8673.6	8473.2	8337.6	8110.8	7970.4	7782.0	7671.6	7466.4	7236.0	7020.0	6798.0
57.5°	10671.6	10371.6	10216.8	10088.4	9870.0	9560.4	9363.6	9026.4	8697.6	8467.2	8097.6
60°	13681.2	13376.4	13119.6	12816.0	12481.2	12061.2	11874.0	11476.8	11006.4	10626.0	10137.6
62.5°	15556.8	15135.6	14719.2	14293.2	13957.2	13628.4	13240.8	12840.0	12374.4	11857.2	11323.2
65°	15632.4	15127.2	14629.2	14194.8	13801.2	13374.0	13010.4	12603.6	12114.0	11581.2	11026.8
67.5°	14847.6	14282.4	13748.4	13272.0	12822.0	12426.0	12045.6	11662.8	11138.4	10692.0	10124.4
70°	13284.0	12768.0	12284.4	11742.0	11397.6	10952.4	10581.6	10178.4	9802.8	9385.2	8853.6
72.5°	9757.2	9368.4	8816.4	8586.0	8401.2	7929.6	7653.6	7620.0	7380.0	6879.6	6482.4
75°	3628.8	3088.8	2925.6	3022.8	2860.8	2914.8	2894.4	2779.2	2784.0	2698.8	2598.0
77.5°	710.4	660.0	620.4	631.2	586.8	567.6	608.4	596.4	574.8	580.8	571.2
80°	483.6	409.2	370.8	356.4	338.4	330.0	327.6	324.0	316.8	313.2	302.4
82.5°	476.4	354.0	279.6	240.0	225.6	218.4	212.4	211.2	208.8	207.6	211.2
85°	189.6	153.6	140.4	128.4	124.8	121.2	121.2	120.0	118.8	121.2	126.0
87.5°	92.4	78.0	70.8	64.8	62.4	61.2	61.2	62.4	63.6	68.4	78.0
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: P144870

CATALOG NUMBER: LDRL-SL2-E06-E

CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2
2.5°	1922.4	1923.6	1921.2	1922.4	1921.2	1918.8	1917.6	1921.2	1920.0	1918.8	1918.8
5°	1971.6	1976.4	1974.0	1971.6	1971.6	1970.4	1970.4	1970.4	1969.2	1970.4	1966.8
7.5°	2056.8	2055.6	2055.6	2053.2	2050.8	2053.2	2052.0	2048.4	2049.6	2047.2	2043.6
10°	2166.0	2162.4	2168.4	2168.4	2163.6	2162.4	2160.0	2156.4	2156.4	2152.8	2152.8
12.5°	2295.6	2292.0	2300.4	2294.4	2287.2	2286.0	2278.8	2276.4	2280.0	2278.8	2276.4
15°	2427.6	2428.8	2432.4	2431.2	2422.8	2422.8	2413.2	2414.4	2407.2	2404.8	2398.8
17.5°	2556.0	2557.2	2553.6	2553.6	2547.6	2544.0	2533.2	2534.4	2529.6	2520.0	2512.8
20°	2671.2	2670.0	2661.6	2668.8	2656.8	2654.4	2644.8	2635.2	2637.6	2628.0	2613.6
22.5°	2784.0	2781.6	2779.2	2775.6	2769.6	2767.2	2756.4	2755.2	2743.2	2728.8	2716.8
25°	2914.8	2913.6	2910.0	2911.2	2899.2	2900.4	2881.2	2876.4	2869.2	2853.6	2844.0
27.5°	3084.0	3084.0	3074.4	3070.8	3067.2	3062.4	3045.6	3033.6	3015.6	2997.6	2978.4
30°	3291.6	3289.2	3286.8	3277.2	3264.0	3256.8	3226.8	3207.6	3183.6	3150.0	3121.2
32.5°	3588.0	3567.6	3550.8	3529.2	3507.6	3484.8	3438.0	3405.6	3367.2	3313.2	3267.6
35°	3918.0	3883.2	3865.2	3820.8	3780.0	3734.4	3678.0	3612.0	3559.2	3488.4	3414.0
37.5°	4190.4	4164.0	4116.0	4065.6	4008.0	3921.6	3858.0	3787.2	3694.8	3616.8	3526.8
40°	4526.4	4466.4	4398.0	4314.0	4234.8	4137.6	4050.0	3948.0	3835.2	3722.4	3604.8
42.5°	4879.2	4786.8	4674.0	4576.8	4456.8	4329.6	4215.6	4077.6	3933.6	3782.4	3625.2
45°	5239.2	5125.2	4975.2	4837.2	4670.4	4510.8	4347.6	4159.2	3962.4	3760.8	3562.8
47.5°	5569.2	5402.4	5232.0	5046.0	4854.0	4648.8	4417.2	4170.0	3910.8	3645.6	3398.4
50°	5828.4	5619.6	5404.8	5190.0	4954.8	4688.4	4396.8	4074.0	3754.8	3436.8	3152.4
52.5°	6057.6	5823.6	5559.6	5293.2	5002.8	4675.2	4310.4	3930.0	3541.2	3189.6	2870.4
55°	6501.6	6207.6	5859.6	5516.4	5149.2	4736.4	4281.6	3816.0	3368.4	2985.6	2646.0
57.5°	7707.6	7310.4	6771.6	6295.2	5829.6	5228.4	4587.6	4014.0	3444.0	2991.6	2613.6
60°	9607.2	8960.4	8343.6	7617.6	6864.0	6039.6	5180.4	4407.6	3712.8	3145.2	2690.4
62.5°	10708.8	10026.0	9232.8	8353.2	7376.4	6372.0	5385.6	4483.2	3721.2	3103.2	2599.2
65°	10411.2	9724.8	8852.4	7952.4	6913.2	5886.0	4906.8	4040.4	3301.2	2730.0	2247.6
67.5°	9528.0	8810.4	7990.8	6992.4	5998.8	5047.2	4154.4	3338.4	2684.4	2151.6	1725.6
70°	8242.8	7604.4	6814.8	5894.4	4930.8	4075.2	3322.8	2587.2	2034.0	1545.6	1209.6
72.5°	6117.6	5552.4	5059.2	4290.0	3584.4	2913.6	2300.4	1800.0	1323.6	1000.8	770.4
75°	2568.0	2377.2	2296.8	2014.8	1752.0	1436.4	1081.2	861.6	698.4	594.0	471.6
77.5°	622.8	622.8	585.6	548.4	504.0	456.0	403.2	360.0	338.4	319.2	303.6
80°	302.4	300.0	290.4	289.2	280.8	270.0	264.0	255.6	252.0	247.2	244.8
82.5°	212.4	211.2	207.6	212.4	211.2	216.0	218.4	219.6	219.6	220.8	222.0
85°	134.4	139.2	148.8	160.8	171.6	184.8	196.8	206.4	213.6	219.6	224.4
87.5°	85.2	97.2	104.4	122.4	140.4	160.8	183.6	193.2	201.6	202.8	195.6
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: P144870

CATALOG NUMBER: LDRL-SL2-E06-E

CANDELA DISTRIBUTION (continued):

	106°	107°	108°	109°	110°	115°	125°	135°	145°	155°	165°
0°	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2	1909.2
2.5°	1918.8	1917.6	1920.0	1917.6	1917.6	1916.4	1912.8	1909.2	1905.6	1904.4	1900.8
5°	1965.6	1965.6	1968.0	1963.2	1964.4	1959.6	1948.8	1936.8	1926.0	1916.4	1905.6
7.5°	2044.8	2041.2	2042.4	2041.2	2038.8	2029.2	2005.2	1975.2	1946.4	1916.4	1892.4
10°	2150.4	2143.2	2143.2	2140.8	2137.2	2124.0	2073.6	2013.6	1953.6	1899.6	1860.0
12.5°	2268.0	2269.2	2259.6	2253.6	2247.6	2220.0	2144.4	2048.4	1953.6	1867.2	1803.6
15°	2390.4	2389.2	2378.4	2374.8	2361.6	2320.8	2206.8	2066.4	1930.8	1803.6	1708.8
17.5°	2500.8	2496.0	2485.2	2478.0	2463.6	2409.6	2248.8	2058.0	1870.8	1704.0	1585.2
20°	2601.6	2595.6	2586.0	2572.8	2558.4	2480.4	2264.4	2014.8	1776.0	1585.2	1465.2
22.5°	2706.0	2692.8	2682.0	2664.0	2648.4	2544.0	2253.6	1938.0	1668.0	1453.2	1324.8
25°	2822.4	2806.8	2784.0	2762.4	2738.4	2595.6	2223.6	1842.0	1538.4	1310.4	1180.8
27.5°	2948.4	2925.6	2895.6	2868.0	2829.6	2634.0	2172.0	1735.2	1396.8	1168.8	1034.4
30°	3081.6	3039.6	3002.4	2960.4	2911.2	2652.0	2097.6	1603.2	1240.8	1024.8	890.4
32.5°	3211.2	3154.8	3099.6	3038.4	2971.2	2644.8	1992.0	1447.2	1084.8	890.4	777.6
35°	3343.2	3261.6	3184.8	3102.0	3020.4	2608.8	1846.8	1274.4	937.2	778.8	697.2
37.5°	3433.2	3331.2	3229.2	3129.6	3031.2	2530.8	1653.6	1081.2	804.0	698.4	639.6
40°	3478.8	3354.0	3229.2	3105.6	2984.4	2401.2	1428.0	904.8	709.2	638.4	596.4
42.5°	3465.6	3310.8	3156.0	3009.6	2860.8	2194.8	1183.2	759.6	643.2	591.6	554.4
45°	3356.4	3171.6	2995.2	2840.4	2654.4	1929.6	972.0	669.6	592.8	553.2	518.4
47.5°	3151.2	2944.8	2728.8	2553.6	2379.6	1622.4	808.8	613.2	548.4	516.0	481.2
50°	2889.6	2650.8	2434.8	2245.2	2074.8	1335.6	697.2	565.2	512.4	484.8	447.6
52.5°	2601.6	2344.8	2148.0	1948.8	1782.0	1114.8	619.2	512.4	477.6	448.8	418.8
55°	2362.8	2125.2	1924.8	1724.4	1556.4	975.6	554.4	471.6	445.2	415.2	391.2
57.5°	2299.2	2028.0	1809.6	1620.0	1447.2	890.4	507.6	434.4	416.4	393.6	367.2
60°	2325.6	2026.8	1782.0	1574.4	1393.2	822.0	472.8	409.2	394.8	374.4	346.8
62.5°	2230.8	1915.2	1668.0	1447.2	1275.6	735.6	447.6	397.2	387.6	360.0	328.8
65°	1900.8	1611.6	1374.0	1183.2	1035.6	619.2	427.2	408.0	398.4	350.4	316.8
67.5°	1447.2	1206.0	1015.2	872.4	765.6	512.4	422.4	444.0	424.8	355.2	313.2
70°	1000.8	818.4	696.0	609.6	542.4	432.0	438.0	483.6	456.0	370.8	333.6
72.5°	634.8	530.4	470.4	438.0	405.6	364.8	434.4	478.8	441.6	373.2	333.6
75°	406.8	363.6	343.2	331.2	321.6	318.0	382.8	393.6	355.2	324.0	310.8
77.5°	288.0	280.8	277.2	276.0	277.2	285.6	316.8	296.4	258.0	259.2	266.4
80°	243.6	243.6	241.2	242.4	244.8	248.4	253.2	218.4	198.0	213.6	237.6
82.5°	223.2	226.8	229.2	231.6	235.2	230.4	214.8	165.6	159.6	207.6	232.8
85°	226.8	226.8	228.0	230.4	231.6	207.6	178.8	124.8	122.4	232.8	219.6
87.5°	194.4	192.0	183.6	177.6	169.2	142.8	118.8	69.6	72.0	144.0	153.6
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: P144870

CATALOG NUMBER: LDRL-SL2-E06-E

CANDELA DISTRIBUTION (continued):

	175°	180°
0°	1909.2	1909.2
2.5°	1899.6	1899.6
5°	1899.6	1899.6
7.5°	1884.0	1879.2
10°	1838.4	1832.4
12.5°	1768.8	1762.8
15°	1662.0	1654.8
17.5°	1528.8	1516.8
20°	1389.6	1372.8
22.5°	1250.4	1237.2
25°	1107.6	1095.6
27.5°	967.2	955.2
30°	837.6	832.8
32.5°	741.6	736.8
35°	670.8	668.4
37.5°	622.8	620.4
40°	580.8	578.4
42.5°	542.4	538.8
45°	504.0	505.2
47.5°	465.6	464.4
50°	432.0	432.0
52.5°	404.4	403.2
55°	379.2	378.0
57.5°	354.0	352.8
60°	332.4	328.8
62.5°	312.0	309.6
65°	298.8	297.6
67.5°	289.2	285.6
70°	286.8	277.2
72.5°	279.6	267.6
75°	262.8	256.8
77.5°	231.6	224.4
80°	178.8	165.6
82.5°	150.0	129.6
85°	110.4	102.0
87.5°	80.4	63.6
90°	0.0	0.0

(END OF REPORT)