

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: P145474

Luminaire Tested: **LDRL-SL4-F06-E-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145474
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33703)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: LDRL-SL4-F06-E-7030
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13038.2 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G3

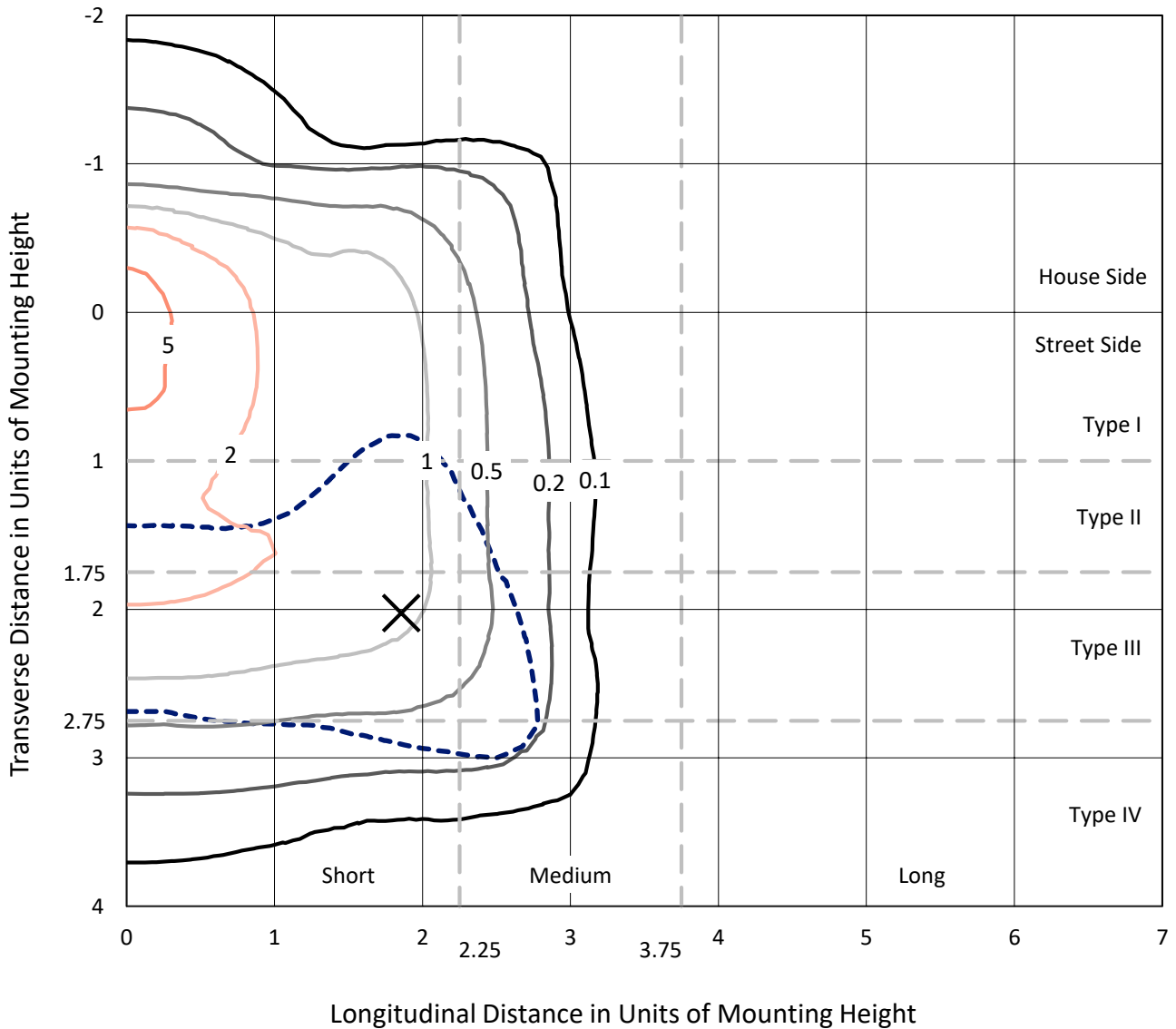
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P145474
 CATALOG NUMBER: LDRL-SL4-F06-E-7030

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

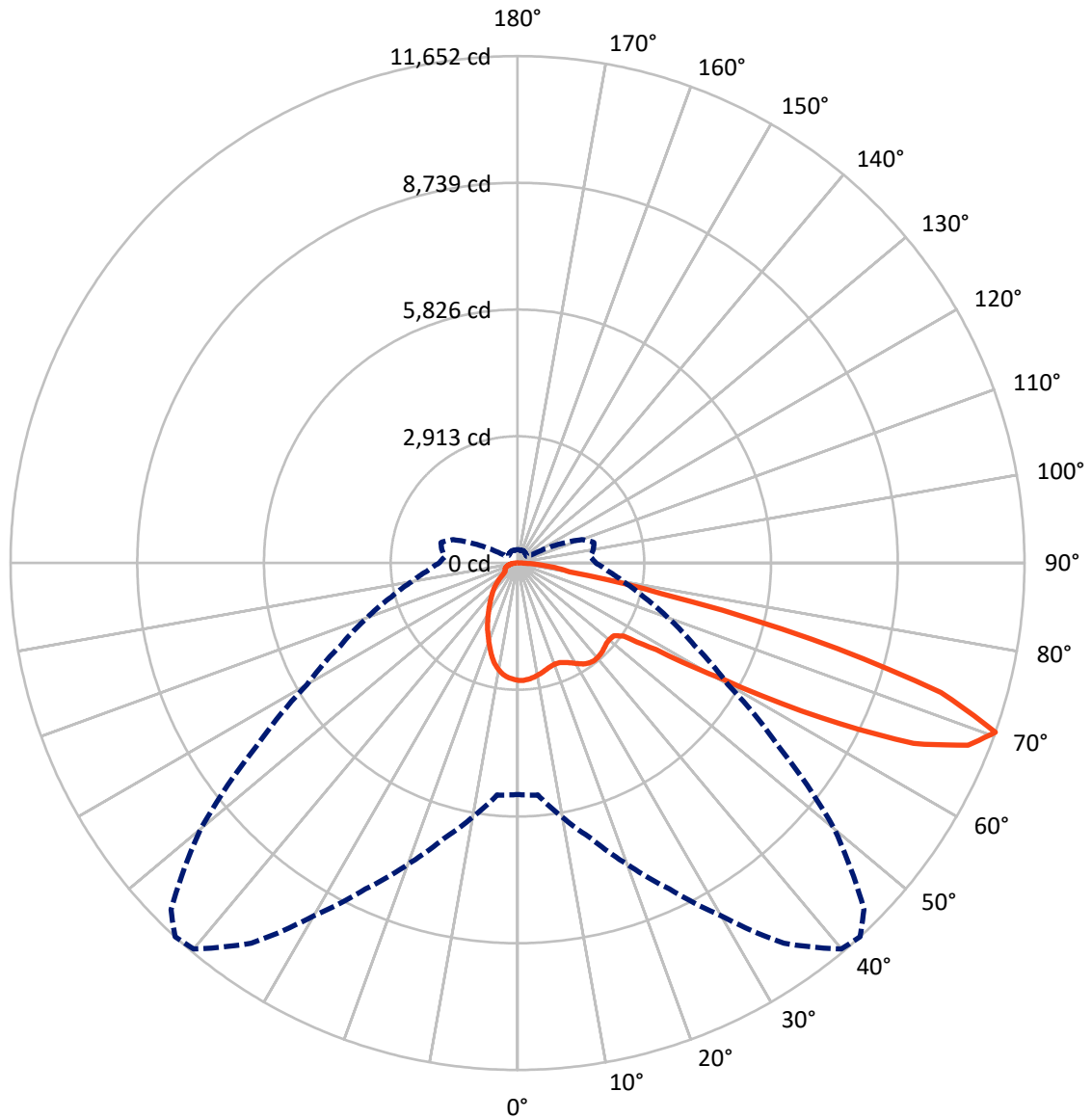


Based on 20 foot mounting height. Maximum calculated value = 6.7 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P145474

CATALOG NUMBER: LDRL-SL4-F06-E-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 42.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P145474

CATALOG NUMBER: LDRL-SL4-F06-E-7030

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2816.5 | 0.0 | 2816.5 |
| | % Fixture | 21.6 | 0.0 | 21.6 |
| Street Side | Lumens | 10221.7 | 0.0 | 10221.7 |
| | % Fixture | 78.4 | 0.0 | 78.4 |
| Total | Lumens | 13038.2 | 0.0 | 13038.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 250.9 | 1.9 |
| 10°-20° | 675.8 | 5.2 |
| 20°-30° | 985.8 | 7.6 |
| 30°-40° | 1257.3 | 9.6 |
| 40°-50° | 1467.5 | 11.3 |
| 50°-60° | 2244.2 | 17.2 |
| 60°-70° | 4068.1 | 31.2 |
| 70°-80° | 1808.8 | 13.9 |
| 80°-90° | 279.9 | 2.1 |
| 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° | 13038.2 | 100.0 |
| 0°-180° | 13038.2 | 100.0 |



REPORT NUMBER: P145474

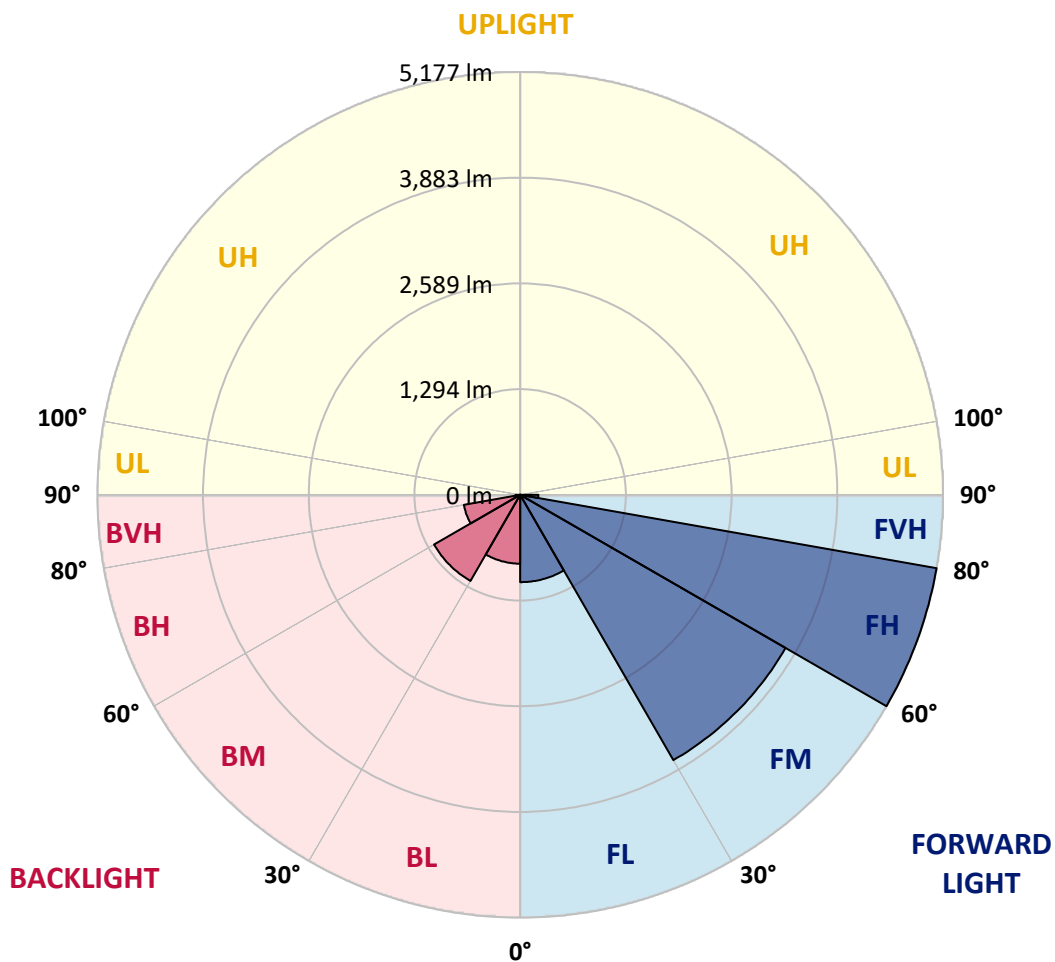
CATALOG NUMBER: LDRL-SL4-F06-E-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1069.5 | 8.2 | | | |
| FM (30°-60°) | 3751.4 | 28.8 | | | |
| FH (60°-80°) | 5177.2 | 39.7 | | | G3/7500 |
| FVH (80°-90°) | 223.6 | 1.7 | | | G2/225 |
| BL (0°-30°) | 843.0 | 6.5 | B2/1000 | | |
| BM (30°-60°) | 1217.5 | 9.3 | B2/2500 | | |
| BH (60°-80°) | 699.7 | 5.4 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 56.3 | 0.4 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G3

Type IV Short





REPORT NUMBER: P145474

CATALOG NUMBER: LDRL-SL4-F06-E-7030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 42.5° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0° | 2696.3 | 2696.3 | 2696.3 | 2696.3 | 2696.3 | 2696.3 | 2696.3 | 2696.3 | 2696.3 | 2696.3 | 2696.3 |
| 2.5° | 2708.9 | 2706.2 | 2708.0 | 2709.9 | 2709.9 | 2710.8 | 2702.6 | 2703.5 | 2699.9 | 2700.8 | 2701.7 |
| 5° | 2699.0 | 2696.3 | 2698.1 | 2698.1 | 2698.1 | 2697.2 | 2686.3 | 2685.4 | 2680.9 | 2680.9 | 2679.1 |
| 7.5° | 2680.0 | 2670.0 | 2675.5 | 2676.4 | 2674.6 | 2670.0 | 2663.7 | 2657.4 | 2654.7 | 2654.7 | 2648.3 |
| 10° | 2651.0 | 2640.2 | 2642.9 | 2644.7 | 2643.8 | 2634.8 | 2632.0 | 2625.7 | 2618.5 | 2615.8 | 2608.5 |
| 12.5° | 2613.9 | 2606.7 | 2610.3 | 2609.4 | 2609.4 | 2601.3 | 2596.8 | 2587.7 | 2578.7 | 2574.1 | 2565.1 |
| 15° | 2590.4 | 2581.4 | 2585.0 | 2585.0 | 2581.4 | 2573.2 | 2566.9 | 2550.6 | 2535.2 | 2529.8 | 2518.0 |
| 17.5° | 2604.9 | 2595.8 | 2599.5 | 2596.8 | 2590.4 | 2573.2 | 2556.9 | 2530.7 | 2506.3 | 2491.8 | 2476.4 |
| 20° | 2662.8 | 2653.8 | 2656.5 | 2654.7 | 2645.6 | 2617.6 | 2587.7 | 2542.5 | 2497.2 | 2475.5 | 2452.0 |
| 22.5° | 2755.1 | 2747.9 | 2752.4 | 2749.7 | 2735.2 | 2699.0 | 2654.7 | 2589.5 | 2521.7 | 2489.1 | 2455.6 |
| 25° | 2891.7 | 2889.9 | 2897.1 | 2889.0 | 2868.2 | 2813.9 | 2749.7 | 2661.9 | 2573.2 | 2532.5 | 2485.5 |
| 27.5° | 3056.4 | 3041.0 | 3051.9 | 3044.6 | 3030.1 | 2961.4 | 2874.5 | 2763.2 | 2650.1 | 2596.8 | 2540.7 |
| 30° | 3204.8 | 3191.2 | 3211.1 | 3207.5 | 3185.8 | 3115.2 | 3005.7 | 2875.4 | 2747.9 | 2680.0 | 2615.8 |
| 32.5° | 3376.7 | 3359.5 | 3374.9 | 3374.9 | 3342.3 | 3247.3 | 3122.4 | 2973.1 | 2839.2 | 2766.9 | 2689.9 |
| 35° | 3556.7 | 3538.6 | 3553.1 | 3548.6 | 3490.7 | 3364.9 | 3208.4 | 3046.4 | 2899.0 | 2824.8 | 2746.0 |
| 37.5° | 3724.1 | 3721.4 | 3725.0 | 3695.2 | 3614.6 | 3453.6 | 3266.3 | 3085.3 | 2928.8 | 2851.0 | 2768.7 |
| 40° | 3891.5 | 3885.2 | 3869.8 | 3817.3 | 3699.7 | 3506.1 | 3296.2 | 3098.9 | 2930.6 | 2849.2 | 2765.9 |
| 42.5° | 3996.5 | 3984.7 | 3958.5 | 3887.0 | 3739.5 | 3518.7 | 3287.1 | 3078.1 | 2908.9 | 2825.7 | 2744.2 |
| 45° | 4032.7 | 4020.9 | 3989.2 | 3908.7 | 3740.4 | 3498.8 | 3251.8 | 3036.5 | 2868.2 | 2792.2 | 2709.9 |
| 47.5° | 4002.8 | 3995.6 | 3966.6 | 3886.1 | 3711.5 | 3461.7 | 3207.5 | 2994.9 | 2829.3 | 2755.1 | 2678.2 |
| 50° | 3952.1 | 3947.6 | 3922.3 | 3848.1 | 3684.3 | 3439.1 | 3186.7 | 2975.0 | 2818.4 | 2749.7 | 2677.3 |
| 52.5° | 4078.8 | 4065.2 | 4020.0 | 3932.2 | 3741.3 | 3479.8 | 3219.3 | 3004.8 | 2843.8 | 2774.1 | 2699.9 |
| 55° | 5636.0 | 5535.5 | 5311.1 | 4890.4 | 4301.4 | 3844.5 | 3459.9 | 3201.2 | 3027.4 | 2959.6 | 2889.0 |
| 57.5° | 7412.1 | 7307.1 | 7213.9 | 6892.7 | 6193.3 | 5330.1 | 4553.8 | 4099.6 | 3788.4 | 3758.5 | 3730.5 |
| 60° | 8096.1 | 8129.6 | 8121.4 | 8002.0 | 7643.7 | 7233.8 | 6584.2 | 6047.6 | 5453.2 | 5428.8 | 5464.0 |
| 62.5° | 8567.5 | 8595.5 | 8599.1 | 8563.0 | 8446.2 | 8309.6 | 8173.9 | 8002.0 | 7888.9 | 7840.0 | 7524.3 |
| 65° | 8762.0 | 8802.7 | 8892.3 | 8959.3 | 8978.3 | 9025.3 | 9148.4 | 9616.1 | 10006.1 | 10003.4 | 9633.3 |
| 67.5° | 8019.2 | 8068.0 | 8407.3 | 8740.3 | 9019.9 | 9343.8 | 9842.3 | 10603.3 | 11190.5 | 11172.4 | 10869.3 |
| 70° | 5322.0 | 5352.8 | 5929.1 | 6556.1 | 7369.5 | 8268.9 | 9358.3 | 10670.2 | 11580.4 | 11651.9 | 11261.0 |
| 72.5° | 3264.5 | 3335.1 | 3523.3 | 3777.5 | 4211.8 | 5045.1 | 6664.7 | 8906.8 | 10242.2 | 10175.3 | 9864.0 |
| 75° | 2204.1 | 2207.7 | 2202.3 | 2229.4 | 2253.8 | 2422.1 | 3074.5 | 4897.6 | 6937.9 | 6974.1 | 6840.2 |
| 77.5° | 1506.5 | 1526.4 | 1537.2 | 1530.0 | 1554.4 | 1547.2 | 1585.2 | 1678.4 | 2659.2 | 3393.9 | 3118.8 |
| 80° | 1316.5 | 1324.6 | 1336.4 | 1319.2 | 1273.9 | 1248.6 | 1283.9 | 1250.4 | 1178.0 | 1216.9 | 1165.4 |
| 82.5° | 833.3 | 857.7 | 860.5 | 920.2 | 1008.8 | 1012.5 | 1057.7 | 1024.2 | 931.9 | 871.3 | 797.1 |
| 85° | 599.0 | 608.0 | 624.3 | 627.9 | 597.2 | 570.9 | 587.2 | 559.2 | 504.0 | 471.4 | 417.1 |
| 87.5° | 349.2 | 358.3 | 374.6 | 364.6 | 333.9 | 295.9 | 266.9 | 229.8 | 181.9 | 170.1 | 150.2 |
| 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: P145474

CATALOG NUMBER: LDRL-SL4-F06-E-7030

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2696.3 | 2696.3 | 2696.3 | 2696.3 | 2696.3 | 2696.3 | 2696.3 | 2696.3 | 2696.3 | 2696.3 | 2696.3 |
| 2.5° | 2702.6 | 2698.1 | 2694.5 | 2692.7 | 2696.3 | 2692.7 | 2689.0 | 2687.2 | 2683.6 | 2684.5 | 2680.0 |
| 5° | 2677.3 | 2670.9 | 2665.5 | 2661.0 | 2664.6 | 2658.3 | 2652.9 | 2649.2 | 2644.7 | 2643.8 | 2639.3 |
| 7.5° | 2642.0 | 2632.0 | 2624.8 | 2616.7 | 2607.6 | 2602.2 | 2595.8 | 2589.5 | 2579.6 | 2578.7 | 2576.8 |
| 10° | 2595.8 | 2587.7 | 2573.2 | 2560.6 | 2547.9 | 2534.3 | 2520.8 | 2510.8 | 2499.0 | 2494.5 | 2488.2 |
| 12.5° | 2549.7 | 2533.4 | 2516.2 | 2496.3 | 2480.9 | 2459.2 | 2441.1 | 2422.1 | 2404.9 | 2394.1 | 2382.3 |
| 15° | 2495.4 | 2478.2 | 2453.8 | 2434.8 | 2413.1 | 2388.7 | 2365.1 | 2337.1 | 2309.0 | 2291.8 | 2275.6 |
| 17.5° | 2448.4 | 2426.7 | 2406.7 | 2379.6 | 2357.9 | 2329.8 | 2294.6 | 2264.7 | 2231.2 | 2203.2 | 2173.3 |
| 20° | 2412.2 | 2387.7 | 2364.2 | 2339.8 | 2313.6 | 2281.9 | 2243.0 | 2200.5 | 2157.9 | 2118.1 | 2073.8 |
| 22.5° | 2397.7 | 2358.8 | 2332.6 | 2309.9 | 2282.8 | 2246.6 | 2203.2 | 2150.7 | 2098.2 | 2047.5 | 1996.0 |
| 25° | 2410.4 | 2352.5 | 2311.7 | 2286.4 | 2262.0 | 2224.9 | 2176.0 | 2116.3 | 2054.8 | 1990.5 | 1929.0 |
| 27.5° | 2444.7 | 2371.5 | 2313.6 | 2273.7 | 2245.7 | 2209.5 | 2155.2 | 2092.8 | 2023.1 | 1950.7 | 1884.7 |
| 30° | 2494.5 | 2403.1 | 2330.7 | 2273.7 | 2232.1 | 2190.5 | 2131.7 | 2061.1 | 1987.8 | 1911.8 | 1837.6 |
| 32.5° | 2548.8 | 2438.4 | 2351.6 | 2276.5 | 2212.2 | 2159.7 | 2098.2 | 2029.4 | 1951.6 | 1871.1 | 1791.5 |
| 35° | 2589.5 | 2463.7 | 2360.6 | 2266.5 | 2184.2 | 2118.1 | 2052.1 | 1985.1 | 1909.1 | 1827.7 | 1748.1 |
| 37.5° | 2606.7 | 2473.7 | 2358.8 | 2245.7 | 2145.3 | 2072.9 | 2004.1 | 1937.2 | 1863.9 | 1787.0 | 1713.7 |
| 40° | 2607.6 | 2473.7 | 2347.9 | 2217.6 | 2104.5 | 2025.8 | 1953.4 | 1891.0 | 1822.3 | 1756.2 | 1691.1 |
| 42.5° | 2590.4 | 2461.0 | 2328.0 | 2191.4 | 2074.7 | 1986.0 | 1911.8 | 1847.6 | 1792.4 | 1733.6 | 1678.4 |
| 45° | 2559.7 | 2435.7 | 2309.9 | 2176.9 | 2063.8 | 1976.1 | 1896.4 | 1835.8 | 1786.1 | 1733.6 | 1685.6 |
| 47.5° | 2536.1 | 2421.2 | 2310.8 | 2197.7 | 2090.1 | 1999.6 | 1913.6 | 1849.4 | 1806.9 | 1765.2 | 1730.9 |
| 50° | 2540.7 | 2426.7 | 2321.7 | 2214.0 | 2108.2 | 2016.8 | 1933.5 | 1878.3 | 1853.0 | 1839.4 | 1831.3 |
| 52.5° | 2564.2 | 2448.4 | 2368.7 | 2297.3 | 2262.9 | 2206.8 | 2160.6 | 2119.0 | 2125.4 | 2092.8 | 2051.2 |
| 55° | 2806.7 | 2767.8 | 2859.1 | 2925.2 | 2957.8 | 3014.8 | 3097.1 | 3018.4 | 3007.5 | 2907.1 | 2608.5 |
| 57.5° | 3768.5 | 3860.7 | 4001.0 | 4100.5 | 4110.5 | 4093.3 | 4025.4 | 3960.3 | 3854.4 | 3703.3 | 3285.3 |
| 60° | 5381.7 | 5360.0 | 5229.7 | 5055.1 | 4919.4 | 4741.1 | 4562.0 | 4410.9 | 4240.8 | 4009.1 | 3564.0 |
| 62.5° | 7078.2 | 6555.2 | 6091.1 | 5695.7 | 5360.0 | 5062.3 | 4791.8 | 4564.7 | 4331.2 | 3998.3 | 3524.2 |
| 65° | 8448.0 | 7441.9 | 6624.0 | 5987.9 | 5488.5 | 5067.7 | 4718.5 | 4405.4 | 4093.3 | 3707.8 | 3248.2 |
| 67.5° | 9427.0 | 7831.0 | 6596.8 | 5702.0 | 5001.7 | 4422.6 | 3914.1 | 3557.6 | 3237.3 | 2934.2 | 2727.0 |
| 70° | 9504.8 | 7292.6 | 5580.8 | 4486.0 | 3678.0 | 2997.6 | 2470.1 | 2081.0 | 1802.3 | 1676.6 | 1766.2 |
| 72.5° | 8122.3 | 5395.3 | 3710.6 | 2746.0 | 2179.6 | 1693.8 | 1361.7 | 1088.5 | 864.1 | 753.7 | 769.1 |
| 75° | 4783.6 | 2590.4 | 1671.2 | 1245.0 | 1017.0 | 812.5 | 703.0 | 593.5 | 523.9 | 419.8 | 335.7 |
| 77.5° | 1821.3 | 1126.5 | 843.3 | 700.3 | 499.4 | 359.2 | 283.2 | 244.3 | 224.4 | 221.7 | 209.9 |
| 80° | 1049.6 | 826.1 | 578.2 | 378.2 | 276.9 | 234.3 | 200.9 | 171.9 | 160.1 | 157.4 | 162.0 |
| 82.5° | 663.2 | 514.8 | 317.6 | 243.4 | 201.8 | 173.7 | 144.8 | 125.8 | 115.8 | 112.2 | 118.5 |
| 85° | 342.9 | 257.9 | 193.6 | 166.5 | 154.7 | 141.1 | 115.8 | 96.8 | 95.9 | 100.4 | 115.8 |
| 87.5° | 126.7 | 110.4 | 86.9 | 75.1 | 80.5 | 75.1 | 54.3 | 47.0 | 42.5 | 56.1 | 81.4 |
| 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: P145474

CATALOG NUMBER: LDRL-SL4-F06-E-7030

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2696.3 | 2696.3 | 2696.3 | 2696.3 | 2696.3 | 2696.3 | 2696.3 | 2696.3 | 2696.3 | 2696.3 | 2696.3 |
| 2.5° | 2680.0 | 2678.2 | 2679.1 | 2677.3 | 2677.3 | 2680.0 | 2676.4 | 2673.7 | 2678.2 | 2678.2 | 2680.9 |
| 5° | 2638.4 | 2640.2 | 2640.2 | 2639.3 | 2641.1 | 2645.6 | 2644.7 | 2644.7 | 2651.9 | 2654.7 | 2658.3 |
| 7.5° | 2572.3 | 2575.0 | 2575.9 | 2578.7 | 2579.6 | 2585.9 | 2590.4 | 2595.8 | 2606.7 | 2609.4 | 2617.6 |
| 10° | 2482.7 | 2480.9 | 2487.3 | 2486.4 | 2494.5 | 2499.9 | 2503.6 | 2515.3 | 2531.6 | 2540.7 | 2548.8 |
| 12.5° | 2376.9 | 2376.9 | 2380.5 | 2381.4 | 2388.7 | 2395.9 | 2400.4 | 2414.9 | 2428.5 | 2440.2 | 2458.3 |
| 15° | 2264.7 | 2261.1 | 2252.9 | 2252.0 | 2254.7 | 2262.0 | 2271.9 | 2282.8 | 2303.6 | 2320.8 | 2336.2 |
| 17.5° | 2147.1 | 2136.2 | 2126.3 | 2113.6 | 2112.7 | 2111.8 | 2117.2 | 2125.4 | 2157.9 | 2175.1 | 2196.8 |
| 20° | 2043.0 | 2019.5 | 1996.0 | 1969.7 | 1954.4 | 1947.1 | 1949.8 | 1960.7 | 1991.4 | 2014.1 | 2036.7 |
| 22.5° | 1949.8 | 1914.5 | 1877.4 | 1835.8 | 1810.5 | 1795.1 | 1796.9 | 1801.4 | 1824.1 | 1837.6 | 1849.4 |
| 25° | 1870.2 | 1821.3 | 1769.8 | 1716.4 | 1681.1 | 1657.6 | 1656.7 | 1656.7 | 1646.7 | 1648.5 | 1642.2 |
| 27.5° | 1815.9 | 1748.1 | 1682.0 | 1619.6 | 1573.4 | 1549.9 | 1518.2 | 1495.6 | 1475.7 | 1448.6 | 1436.8 |
| 30° | 1763.4 | 1693.8 | 1618.7 | 1549.9 | 1494.7 | 1448.6 | 1389.8 | 1340.9 | 1302.0 | 1264.9 | 1233.2 |
| 32.5° | 1716.4 | 1644.0 | 1572.5 | 1497.4 | 1421.4 | 1341.8 | 1264.9 | 1208.8 | 1153.6 | 1096.6 | 1058.6 |
| 35° | 1674.8 | 1606.9 | 1535.4 | 1450.4 | 1343.6 | 1239.6 | 1152.7 | 1076.7 | 1011.6 | 942.8 | 887.6 |
| 37.5° | 1651.2 | 1589.7 | 1515.5 | 1399.7 | 1265.8 | 1147.3 | 1050.5 | 965.4 | 878.6 | 796.2 | 728.4 |
| 40° | 1639.5 | 1585.2 | 1494.7 | 1348.1 | 1196.1 | 1069.5 | 961.8 | 859.6 | 757.3 | 660.5 | 589.9 |
| 42.5° | 1637.7 | 1585.2 | 1464.0 | 1295.7 | 1136.4 | 1000.7 | 880.4 | 757.3 | 633.4 | 539.3 | 476.8 |
| 45° | 1654.0 | 1583.4 | 1431.4 | 1248.6 | 1083.0 | 939.2 | 794.4 | 649.6 | 522.1 | 439.7 | 405.3 |
| 47.5° | 1701.0 | 1589.7 | 1406.0 | 1208.8 | 1032.4 | 871.3 | 696.7 | 530.2 | 421.6 | 384.5 | 383.6 |
| 50° | 1777.0 | 1618.7 | 1400.6 | 1179.8 | 982.6 | 786.3 | 581.8 | 424.3 | 371.9 | 370.1 | 380.0 |
| 52.5° | 1897.3 | 1673.0 | 1414.2 | 1159.9 | 922.9 | 675.9 | 460.5 | 366.4 | 356.5 | 366.4 | 379.1 |
| 55° | 2162.5 | 1769.8 | 1432.3 | 1124.7 | 826.1 | 535.6 | 379.1 | 347.4 | 352.0 | 363.7 | 375.5 |
| 57.5° | 2644.7 | 1970.6 | 1451.3 | 1045.0 | 669.5 | 411.7 | 341.1 | 340.2 | 348.3 | 358.3 | 369.2 |
| 60° | 2950.5 | 2218.6 | 1497.4 | 927.4 | 505.8 | 340.2 | 326.6 | 335.7 | 345.6 | 352.9 | 361.9 |
| 62.5° | 2960.5 | 2283.7 | 1521.9 | 801.6 | 376.4 | 311.2 | 314.0 | 331.2 | 342.9 | 345.6 | 350.2 |
| 65° | 2769.6 | 2160.6 | 1411.5 | 652.4 | 312.2 | 295.0 | 304.9 | 320.3 | 332.1 | 333.9 | 337.5 |
| 67.5° | 2419.4 | 1905.5 | 1196.1 | 492.2 | 284.1 | 282.3 | 293.2 | 304.9 | 313.1 | 320.3 | 325.7 |
| 70° | 1822.3 | 1572.5 | 961.8 | 381.8 | 266.9 | 265.1 | 276.0 | 285.9 | 293.2 | 302.2 | 311.2 |
| 72.5° | 923.8 | 1088.5 | 729.3 | 312.2 | 243.4 | 245.2 | 257.0 | 266.0 | 271.4 | 279.6 | 288.6 |
| 75° | 314.9 | 475.0 | 461.4 | 252.4 | 217.2 | 224.4 | 229.8 | 239.8 | 247.9 | 253.3 | 257.9 |
| 77.5° | 197.2 | 206.3 | 238.0 | 203.6 | 191.8 | 193.6 | 202.7 | 211.7 | 220.8 | 224.4 | 226.2 |
| 80° | 164.7 | 165.6 | 166.5 | 162.9 | 163.8 | 169.2 | 174.6 | 184.6 | 193.6 | 195.4 | 196.3 |
| 82.5° | 130.3 | 139.3 | 138.4 | 137.5 | 142.1 | 147.5 | 151.1 | 154.7 | 158.3 | 160.1 | 162.9 |
| 85° | 114.9 | 113.1 | 114.0 | 116.7 | 113.1 | 109.5 | 108.6 | 108.6 | 114.0 | 120.3 | 123.1 |
| 87.5° | 105.0 | 89.6 | 67.0 | 63.3 | 63.3 | 61.5 | 57.9 | 57.9 | 63.3 | 68.8 | 71.5 |
| 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: P145474

CATALOG NUMBER: LDRL-SL4-F06-E-7030

CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2696.3 | 2696.3 | 2696.3 | 2696.3 | 2696.3 |
| 2.5° | 2680.0 | 2680.9 | 2680.0 | 2680.0 | 2684.5 |
| 5° | 2660.1 | 2663.7 | 2661.9 | 2664.6 | 2667.3 |
| 7.5° | 2619.4 | 2628.4 | 2630.2 | 2637.5 | 2634.8 |
| 10° | 2560.6 | 2566.9 | 2575.9 | 2583.2 | 2580.5 |
| 12.5° | 2467.4 | 2482.7 | 2496.3 | 2504.5 | 2502.7 |
| 15° | 2348.8 | 2370.6 | 2388.7 | 2395.0 | 2387.7 |
| 17.5° | 2222.2 | 2235.7 | 2257.5 | 2262.0 | 2269.2 |
| 20° | 2062.0 | 2061.1 | 2080.1 | 2080.1 | 2076.5 |
| 22.5° | 1853.0 | 1866.6 | 1866.6 | 1853.9 | 1847.6 |
| 25° | 1639.5 | 1644.0 | 1630.4 | 1633.1 | 1616.0 |
| 27.5° | 1425.0 | 1413.3 | 1402.4 | 1407.0 | 1394.3 |
| 30° | 1220.6 | 1195.2 | 1184.4 | 1186.2 | 1172.6 |
| 32.5° | 1024.2 | 994.4 | 983.5 | 969.0 | 957.3 |
| 35° | 846.0 | 798.9 | 770.9 | 763.6 | 771.8 |
| 37.5° | 671.4 | 637.9 | 604.4 | 580.0 | 582.7 |
| 40° | 531.1 | 496.7 | 475.0 | 465.1 | 463.3 |
| 42.5° | 438.8 | 418.9 | 414.4 | 415.3 | 415.3 |
| 45° | 398.1 | 399.0 | 402.6 | 406.3 | 407.2 |
| 47.5° | 390.0 | 395.4 | 401.7 | 406.3 | 407.2 |
| 50° | 389.1 | 394.5 | 399.0 | 404.4 | 406.3 |
| 52.5° | 388.2 | 391.8 | 394.5 | 397.2 | 399.9 |
| 55° | 384.5 | 386.3 | 385.4 | 387.3 | 390.0 |
| 57.5° | 375.5 | 376.4 | 374.6 | 375.5 | 380.9 |
| 60° | 367.3 | 368.3 | 364.6 | 369.2 | 370.1 |
| 62.5° | 357.4 | 356.5 | 354.7 | 357.4 | 357.4 |
| 65° | 342.9 | 337.5 | 339.3 | 342.0 | 342.9 |
| 67.5° | 325.7 | 320.3 | 320.3 | 322.1 | 324.8 |
| 70° | 304.0 | 301.3 | 301.3 | 304.9 | 308.5 |
| 72.5° | 279.6 | 281.4 | 286.8 | 292.2 | 297.7 |
| 75° | 259.7 | 264.2 | 269.6 | 283.2 | 291.3 |
| 77.5° | 234.3 | 235.2 | 239.8 | 253.3 | 267.8 |
| 80° | 199.1 | 198.1 | 199.1 | 200.9 | 203.6 |
| 82.5° | 157.4 | 155.6 | 150.2 | 152.0 | 148.4 |
| 85° | 115.8 | 113.1 | 106.8 | 102.2 | 101.3 |
| 87.5° | 67.0 | 67.0 | 64.2 | 60.6 | 57.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)