

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: PORTFOLIO

Report Number: P799630

Luminaire Tested: **LD6C35D010 EU6359040 6LBMDDWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799630
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C35D010 EU6359040 6LBMDDWLI
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

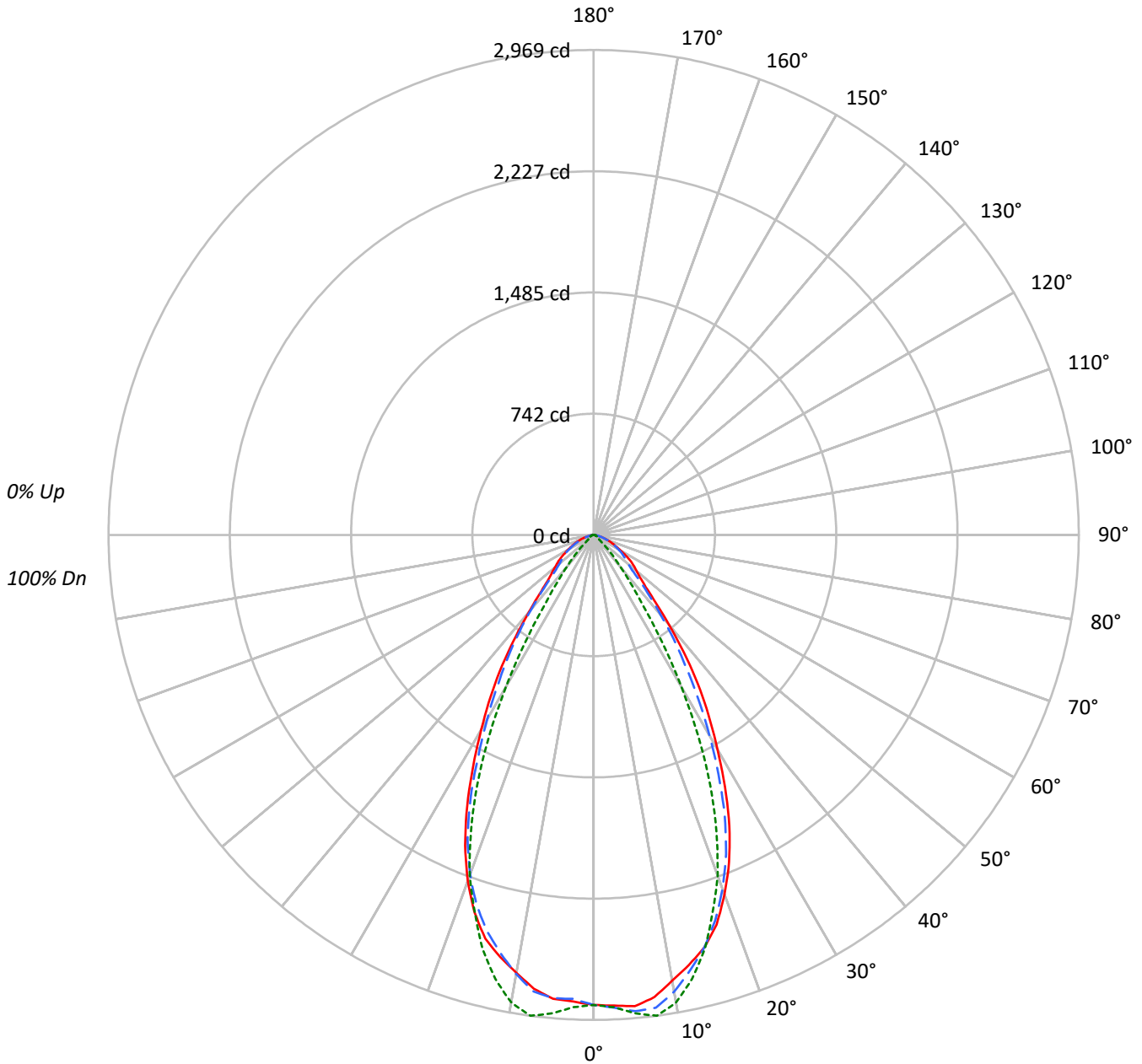
Lumens per Lamp: N/A
Luminaire Lumens: 2929.0 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91																			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70																			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64																			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59																			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55																			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51																			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48																			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	157723	157723	157723
5°	159371	161787	156873
10°	154206	161782	151517
15°	148417	148996	145262
20°	136594	129424	131471
25°	118882	102060	110734
30°	95876	67808	86982
35°	74331	34961	65324
40°	51003	18120	43982
45°	34942	9078	30856
50°	29082	3872	26455
55°	26159	3355	23636
60°	20700	3212	19735
65°	17084	2854	16889
70°	13832	2581	13832
75°	10230	2796	10845
80°	5998	2305	6472
85°	4592	2768	4592



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.9	9.4
10°-20°	718.8	24.5
20°-30°	820.5	28.0
30°-40°	544.1	18.6
40°-50°	262.4	9.0
50°-60°	161.4	5.5
60°-70°	97.7	3.3
70°-80°	41.1	1.4
80°-90°	9.1	0.3
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°-30°	1813.2	61.9
0°-40°	2357.3	80.5
0°-60°	2781.1	95.0
0°-90°	2929.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2929.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2877	2877	2877	2877	2877	
5°	2896	2927	2940	2846	2851	272
15°	2615	2615	2625	2514	2560	729
25°	1965	1900	1687	1785	1831	891
35°	1111	979	522	913	976	687
45°	451	395	117	369	398	368
55°	274	222	35	222	247	241
65°	132	126	22	118	130	132
75°	48	48	13	45	51	52
85°	7	10	4	7	7	9
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2877.1	2877.1	2877.1	2877.1	2877.1	2877.1	2877.1	2877.1	2877.1
2.5°	2884.4	2888.8	2897.5	2899.0	2894.6	2866.8	2843.4	2852.2	2859.5
5°	2896.1	2904.9	2926.8	2947.3	2940.0	2893.1	2846.3	2844.9	2850.7
7.5°	2853.6	2874.1	2919.5	2970.7	2969.2	2888.8	2820.0	2802.4	2802.4
10°	2770.2	2789.2	2839.0	2907.8	2906.3	2805.3	2729.2	2720.5	2721.9
12.5°	2695.6	2704.4	2729.2	2783.4	2783.4	2683.9	2625.3	2634.1	2645.8
15°	2615.1	2621.0	2615.1	2632.7	2625.3	2543.4	2514.1	2541.9	2559.5
17.5°	2501.0	2503.9	2473.2	2449.7	2421.9	2370.7	2378.0	2419.0	2423.4
20°	2341.4	2360.5	2304.9	2244.9	2218.5	2170.2	2211.2	2256.6	2253.6
22.5°	2165.8	2187.8	2116.1	2016.6	1962.4	1943.4	2016.6	2057.5	2056.1
25°	1965.4	1981.4	1899.5	1760.5	1687.3	1684.4	1785.4	1827.8	1830.7
27.5°	1740.0	1745.8	1653.6	1472.2	1381.5	1403.4	1530.7	1589.3	1596.6
30°	1514.6	1511.7	1416.6	1191.2	1071.2	1131.2	1302.4	1366.8	1374.1
32.5°	1308.3	1299.5	1191.2	921.9	778.5	867.8	1093.2	1160.5	1172.2
35°	1110.7	1096.1	979.0	681.9	522.4	655.6	913.2	971.7	976.1
37.5°	904.4	897.1	804.9	510.7	364.4	497.6	744.9	787.3	782.9
40°	712.7	712.7	636.6	379.0	253.2	370.2	589.8	627.8	614.6
42.5°	559.0	566.3	501.9	279.5	180.0	275.1	466.8	501.9	487.3
45°	450.7	450.7	395.1	207.8	117.1	204.9	368.8	401.0	398.0
47.5°	381.9	376.1	320.5	152.2	64.4	153.7	310.2	349.8	348.3
50°	341.0	332.2	275.1	120.0	45.4	127.3	272.2	308.8	310.2
52.5°	308.8	295.6	247.3	106.8	39.5	111.2	247.3	276.6	276.6
55°	273.7	266.3	222.4	95.1	35.1	99.5	222.4	248.8	247.3
57.5°	231.2	229.8	199.0	86.3	32.2	87.8	199.0	215.1	209.3
60°	188.8	194.6	172.7	77.6	29.3	79.0	169.8	182.9	180.0
62.5°	158.0	165.4	150.7	68.8	24.9	70.2	143.4	156.6	153.7
65°	131.7	137.6	125.9	58.5	22.0	58.5	118.5	130.2	130.2
67.5°	108.3	112.7	103.9	48.3	19.0	48.3	96.6	106.8	108.3
70°	86.3	89.3	82.0	38.0	16.1	39.5	76.1	86.3	86.3
72.5°	67.3	68.8	64.4	30.7	14.6	30.7	58.5	67.3	67.3
75°	48.3	51.2	48.3	23.4	13.2	23.4	45.4	49.8	51.2
77.5°	27.8	35.1	35.1	19.0	10.2	17.6	32.2	33.7	33.7
80°	19.0	22.0	24.9	13.2	7.3	13.2	20.5	22.0	20.5
82.5°	13.2	14.6	14.6	8.8	5.9	8.8	13.2	14.6	13.2
85°	7.3	10.2	10.2	7.3	4.4	5.9	7.3	8.8	7.3
87.5°	4.4	5.9	7.3	5.9	4.4	4.4	4.4	4.4	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)