

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: P799638

Luminaire Tested: **LD6C35D010 EU6359040 6LBMDSWWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799638
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C35D010 EU6359040 6LBMDSWWH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

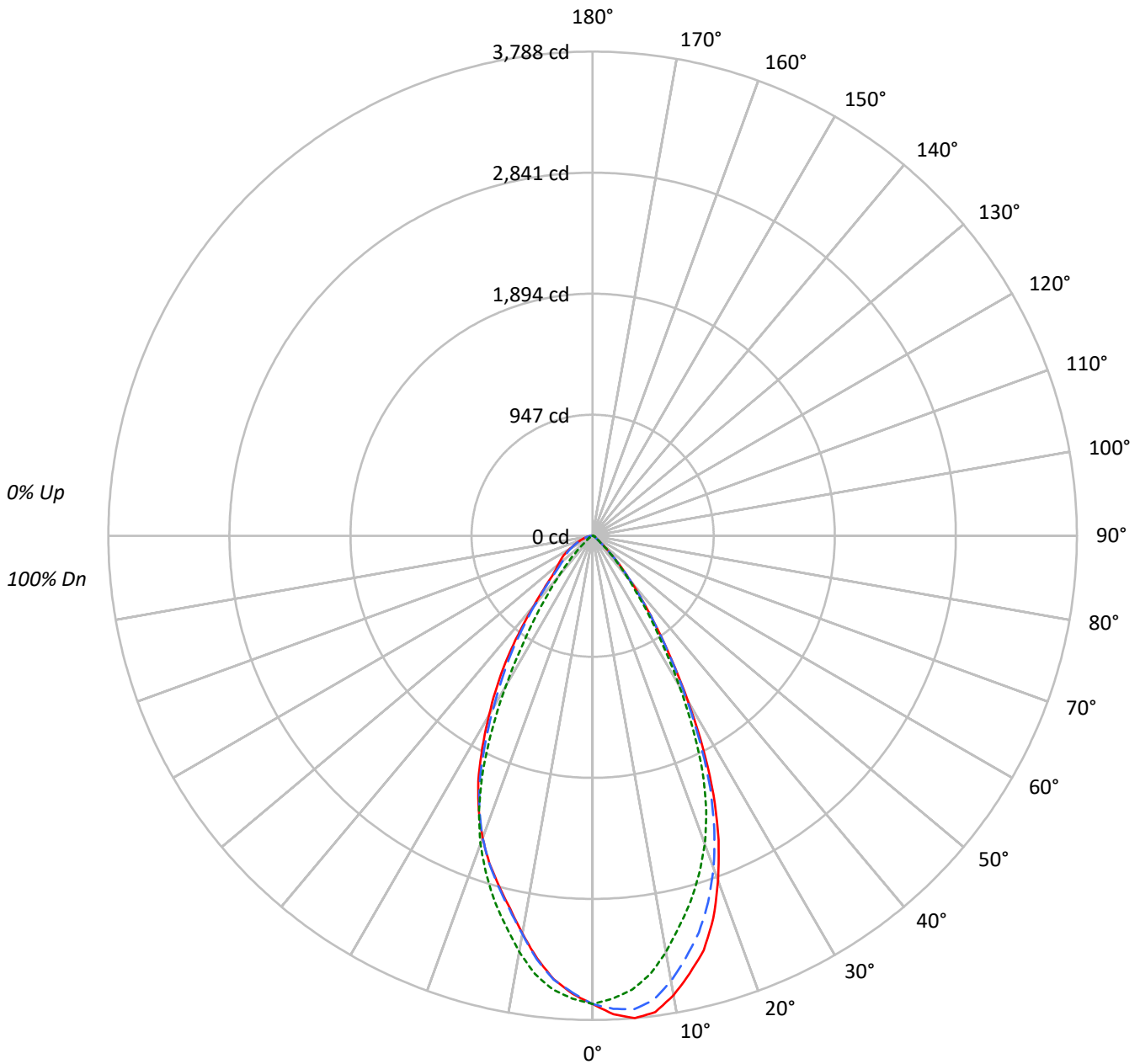
Lumens per Lamp: N/A
Luminaire Lumens: 3154.0 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
Input Voltage (V): NR
Input Current (A_{in}): 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

TEST NUMBER: P799638

CATALOG NUMBER: LD6C35D010 EU6359040 6LBMDSWWH

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	100	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92	92	92	92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78	78	78	78
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67	67	67	67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63	63	63	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52	52	52	52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49	49	49	49

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	200823	200823	200823
5°	208463	196114	191679
10°	203130	183953	175860
15°	190506	168083	160818
20°	167245	149638	146779
25°	135262	122935	127997
30°	94040	85633	102440
35°	57962	52461	77316
40°	32797	29405	51346
45°	15924	15195	35042
50°	6064	6064	29790
55°	3326	3928	27488
60°	2423	3114	22520
65°	2050	2659	18446
70°	1779	2276	15195
75°	1673	2351	13047
80°	1010	1989	9471
85°	1006	3963	8932



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.4	10.6
10°-20°	842.9	26.7
20°-30°	948.9	30.1
30°-40°	587.6	18.6
40°-50°	234.0	7.4
50°-60°	106.5	3.4
60°-70°	61.2	1.9
70°-80°	29.1	0.9
80°-90°	8.5	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°	2127.1	67.4
0°-40°	2714.7	86.1
0°-60°	3055.2	96.9
0°-90°	3154.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3154.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3663	3663	3663	3663	3663	
5°	3788	3719	3564	3486	3483	357
15°	3357	3211	2962	2842	2834	929
25°	2236	2176	2032	2083	2116	1005
35°	866	861	784	1092	1155	557
45°	205	205	196	427	452	174
55°	35	33	41	253	288	35
65°	16	14	20	141	142	15
75°	8	8	11	60	62	8
85°	2	2	6	14	14	1
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°	3663.3	3663.3	3663.3	3663.3	3663.3	3663.3	3663.3	3663.3	3663.3
2.5°	3747.1	3712.3	3704.4	3674.4	3623.8	3595.4	3578.0	3565.3	3587.5
5°	3788.2	3750.3	3718.6	3657.0	3563.8	3511.6	3486.3	3465.8	3483.2
7.5°	3758.2	3704.4	3661.8	3576.4	3457.9	3377.3	3342.5	3318.8	3334.6
10°	3649.1	3584.3	3535.3	3434.2	3304.6	3208.2	3165.5	3143.4	3159.2
12.5°	3506.9	3453.1	3378.9	3268.2	3129.2	3028.0	2996.4	2979.0	2985.3
15°	3356.7	3293.5	3211.3	3100.7	2961.6	2860.5	2841.5	2830.5	2833.6
17.5°	3138.6	3077.0	3005.9	2898.4	2770.4	2688.2	2688.2	2680.3	2685.1
20°	2866.8	2833.6	2764.1	2674.0	2565.0	2490.7	2514.4	2506.5	2516.0
22.5°	2572.9	2547.6	2487.5	2413.2	2321.6	2263.1	2315.3	2313.7	2326.3
25°	2236.2	2217.3	2176.2	2113.0	2032.4	1996.0	2082.9	2082.9	2116.1
27.5°	1864.9	1845.9	1817.4	1763.7	1697.3	1686.3	1814.3	1830.1	1866.4
30°	1485.6	1472.9	1457.1	1408.1	1352.8	1373.4	1550.4	1577.2	1618.3
32.5°	1147.4	1139.5	1134.7	1090.5	1041.5	1109.4	1311.7	1346.5	1387.6
35°	866.1	848.7	861.3	828.1	783.9	869.2	1092.0	1122.1	1155.3
37.5°	638.5	625.8	636.9	613.2	573.7	666.9	877.1	896.1	918.2
40°	458.3	447.2	456.7	442.5	410.9	497.8	687.5	708.0	717.5
42.5°	325.6	306.6	316.1	305.0	289.2	374.6	540.5	559.5	562.6
45°	205.4	199.1	205.4	199.1	196.0	278.1	426.7	444.1	452.0
47.5°	124.9	116.9	116.9	113.8	116.9	205.4	352.4	377.7	390.4
50°	71.1	68.0	66.4	64.8	71.1	161.2	305.0	333.5	349.3
52.5°	47.4	45.8	45.8	44.3	52.2	135.9	275.0	300.3	316.1
55°	34.8	33.2	33.2	33.2	41.1	116.9	252.9	273.4	287.6
57.5°	26.9	26.9	26.9	25.3	34.8	99.6	226.0	237.1	248.1
60°	22.1	20.5	20.5	20.5	28.4	85.3	194.4	199.1	205.4
62.5°	17.4	17.4	17.4	17.4	23.7	75.9	167.5	167.5	170.7
65°	15.8	14.2	14.2	14.2	20.5	66.4	140.7	139.1	142.2
67.5°	12.6	12.6	12.6	12.6	17.4	56.9	115.4	113.8	116.9
70°	11.1	11.1	11.1	11.1	14.2	47.4	93.2	91.7	94.8
72.5°	9.5	9.5	9.5	9.5	12.6	39.5	74.3	74.3	75.9
75°	7.9	7.9	7.9	7.9	11.1	30.0	60.1	60.1	61.6
77.5°	6.3	6.3	6.3	6.3	7.9	23.7	45.8	44.3	44.3
80°	3.2	4.7	4.7	4.7	6.3	17.4	33.2	30.0	30.0
82.5°	1.6	3.2	3.2	3.2	6.3	12.6	22.1	20.5	20.5
85°	1.6	1.6	1.6	4.7	6.3	9.5	14.2	14.2	14.2
87.5°	0.0	1.6	3.2	6.3	7.9	7.9	9.5	7.9	7.9
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)