

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: P799607

Luminaire Tested: **LD6C35D010 EU6359030 6LBMDDWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799607
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 EU6359030 6LBMDDWMW
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

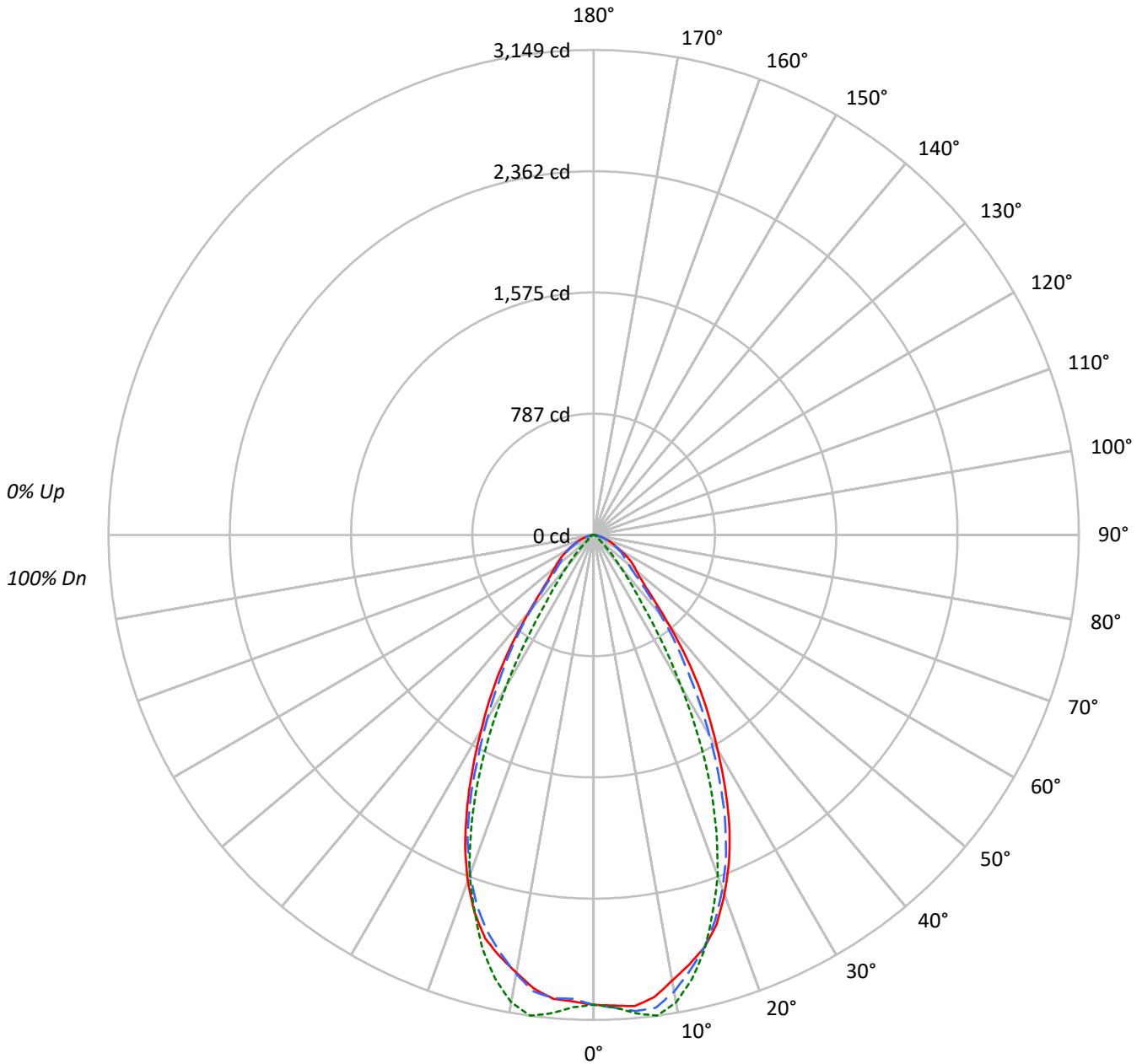
Lumens per Lamp: N/A
Luminaire Lumens: 3106.0 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
Input Voltage (V): NR
Input Current (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

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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								
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°	167251	167251	167251
5°	169001	171560	166354
10°	163524	171557	160674
15°	157385	158003	154042
20°	144848	137247	139417
25°	126062	108230	117424
30°	101674	71903	92242
35°	78822	37075	69272
40°	54080	19215	46645
45°	37058	9621	32724
50°	30839	4102	28059
55°	27736	3555	25070
60°	21950	3399	20930
65°	18121	3022	17914
70°	14682	2741	14682
75°	10845	2965	11501
80°	6377	2462	6851
85°	4906	2956	4906



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.4	9.4
10°-20°	762.2	24.5
20°-30°	870.1	28.0
30°-40°	577.0	18.6
40°-50°	278.3	9.0
50°-60°	171.2	5.5
60°-70°	103.6	3.3
70°-80°	43.6	1.4
80°-90°	9.6	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°	1922.7	61.9
0°-40°	2499.7	80.5
0°-60°	2949.2	95.0
0°-90°	3106.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3106.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3051	3051	3051	3051	3051	
5°	3071	3104	3118	3018	3023	289
15°	2773	2773	2784	2666	2714	773
25°	2084	2014	1789	1893	1941	945
35°	1178	1038	554	968	1035	728
45°	478	419	124	391	422	390
55°	290	236	37	236	262	255
65°	140	134	23	126	138	140
75°	51	51	14	48	54	55
85°	8	11	5	8	8	10
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°	3050.9	3050.9	3050.9	3050.9	3050.9	3050.9	3050.9	3050.9	3050.9
2.5°	3058.7	3063.3	3072.6	3074.2	3069.5	3040.0	3015.2	3024.5	3032.3
5°	3071.1	3080.4	3103.7	3125.4	3117.6	3068.0	3018.3	3016.8	3023.0
7.5°	3026.1	3047.8	3095.9	3150.2	3148.7	3063.3	2990.4	2971.8	2971.8
10°	2937.6	2957.8	3010.6	3083.5	3081.9	2974.9	2894.2	2884.9	2886.4
12.5°	2858.5	2867.8	2894.2	2951.6	2951.6	2846.1	2784.0	2793.3	2805.7
15°	2773.1	2779.3	2773.1	2791.8	2784.0	2697.1	2666.1	2695.5	2714.2
17.5°	2652.1	2655.2	2622.6	2597.8	2568.3	2514.0	2521.7	2565.2	2569.8
20°	2482.9	2503.1	2444.1	2380.5	2352.6	2301.4	2344.8	2392.9	2389.8
22.5°	2296.7	2320.0	2244.0	2138.4	2081.0	2060.8	2138.4	2181.9	2180.3
25°	2084.1	2101.2	2014.3	1866.9	1789.3	1786.2	1893.2	1938.2	1941.3
27.5°	1845.1	1851.3	1753.6	1561.1	1464.9	1488.2	1623.2	1685.3	1693.1
30°	1606.2	1603.0	1502.2	1263.2	1135.9	1199.6	1381.1	1449.4	1457.2
32.5°	1387.3	1378.0	1263.2	977.7	825.6	920.2	1159.2	1230.6	1243.0
35°	1177.8	1162.3	1038.2	723.2	554.0	695.2	968.3	1030.4	1035.1
37.5°	959.0	951.3	853.5	541.6	386.4	527.6	789.9	834.9	830.2
40°	755.7	755.7	675.0	401.9	268.5	392.6	625.4	665.7	651.8
42.5°	592.8	600.6	532.3	296.4	190.9	291.7	495.0	532.3	516.8
45°	478.0	478.0	419.0	220.4	124.1	217.3	391.1	425.2	422.1
47.5°	405.0	398.8	339.9	161.4	68.3	162.9	329.0	370.9	369.3
50°	361.6	352.3	291.7	127.3	48.1	135.0	288.6	327.4	329.0
52.5°	327.4	313.5	262.3	113.3	41.9	117.9	262.3	293.3	293.3
55°	290.2	282.4	235.9	100.9	37.2	105.5	235.9	263.8	262.3
57.5°	245.2	243.6	211.0	91.6	34.1	93.1	211.0	228.1	221.9
60°	200.2	206.4	183.1	82.2	31.0	83.8	180.0	194.0	190.9
62.5°	167.6	175.4	159.8	72.9	26.4	74.5	152.1	166.0	162.9
65°	139.7	145.9	133.5	62.1	23.3	62.1	125.7	138.1	138.1
67.5°	114.8	119.5	110.2	51.2	20.2	51.2	102.4	113.3	114.8
70°	91.6	94.7	86.9	40.3	17.1	41.9	80.7	91.6	91.6
72.5°	71.4	72.9	68.3	32.6	15.5	32.6	62.1	71.4	71.4
75°	51.2	54.3	51.2	24.8	14.0	24.8	48.1	52.8	54.3
77.5°	29.5	37.2	37.2	20.2	10.9	18.6	34.1	35.7	35.7
80°	20.2	23.3	26.4	14.0	7.8	14.0	21.7	23.3	21.7
82.5°	14.0	15.5	15.5	9.3	6.2	9.3	14.0	15.5	14.0
85°	7.8	10.9	10.9	7.8	4.7	6.2	7.8	9.3	7.8
87.5°	4.7	6.2	7.8	6.2	4.7	4.7	4.7	4.7	3.1
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)