

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: P799918

Luminaire Tested: **LD6C60D010 EU6609035 6LBMDDWLI**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799918
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: LD6C60D010 EU6609035 6LBMDDWLI
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

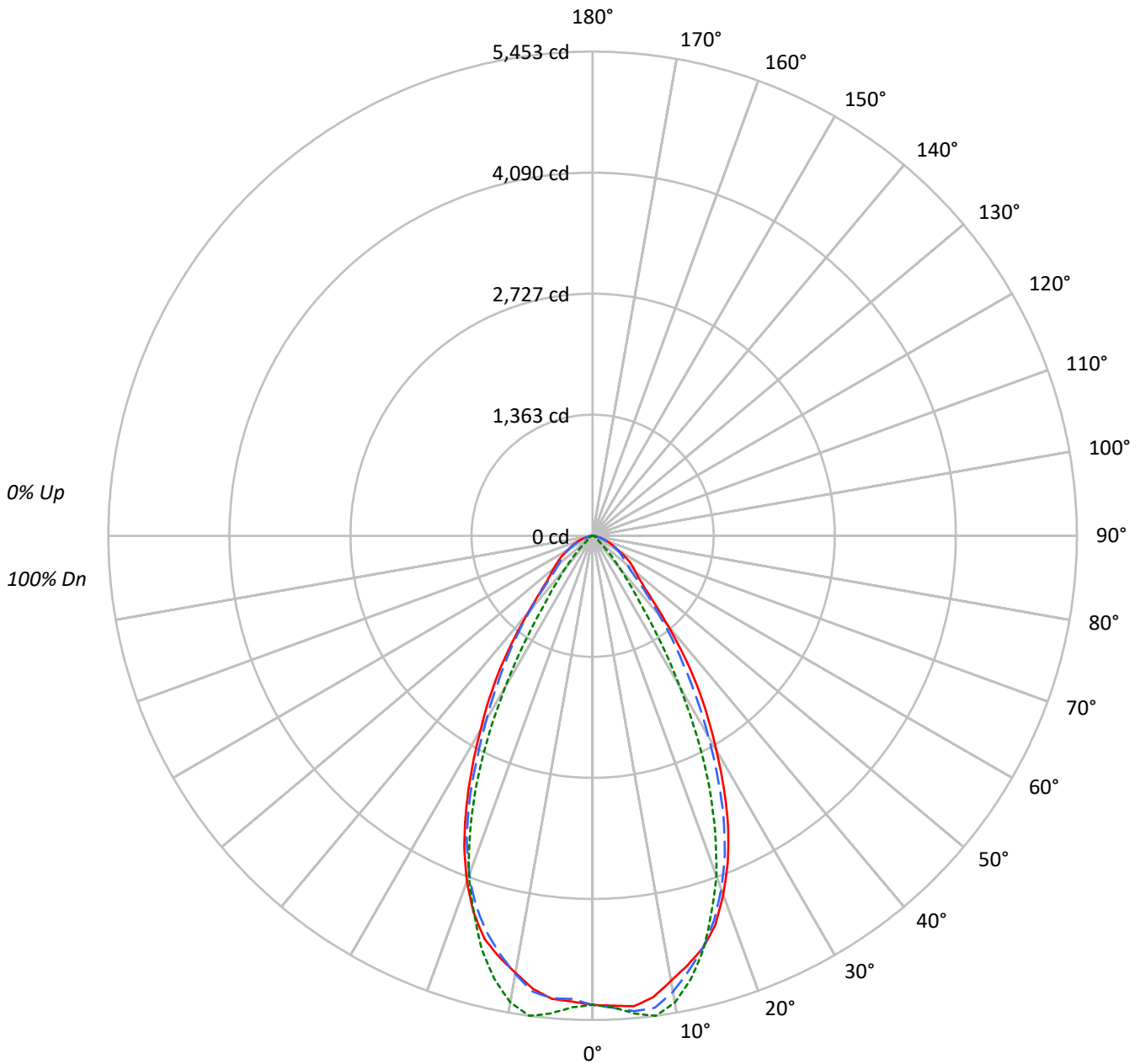
Lumens per Lamp: N/A
Luminaire Lumens: 5379.0 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 72
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°	289648	289648	289648
5°	292675	297116	288091
10°	283194	297105	278257
15°	272561	273634	266767
20°	250855	237682	241445
25°	218317	187432	203359
30°	176071	124525	159740
35°	136510	64206	119966
40°	93661	33269	80773
45°	64169	16668	56673
50°	53405	7104	48587
55°	48037	6165	43411
60°	38012	5888	36247
65°	31378	5228	31028
70°	25421	4744	25421
75°	18787	5126	19931
80°	11018	4230	11870
85°	8428	5095	8428



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	502.9	9.4
10°-20°	1320.1	24.5
20°-30°	1506.8	28.0
30°-40°	999.2	18.6
40°-50°	482.0	9.0
50°-60°	296.5	5.5
60°-70°	179.4	3.3
70°-80°	75.5	1.4
80°-90°	16.7	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°	3329.8	61.9
0°-40°	4329.0	80.5
0°-60°	5107.5	95.0
0°-90°	5379.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5379.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5284	5284	5284	5284	5284	
5°	5318	5375	5399	5227	5235	500
15°	4802	4802	4821	4617	4700	1338
25°	3609	3488	3099	3279	3362	1637
35°	2040	1798	959	1677	1793	1262
45°	828	726	215	677	731	675
55°	503	408	64	408	454	442
65°	242	231	40	218	239	243
75°	89	89	24	83	94	95
85°	13	19	8	13	13	17
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°	5283.6	5283.6	5283.6	5283.6	5283.6	5283.6	5283.6	5283.6	5283.6
2.5°	5297.0	5305.1	5321.2	5323.9	5315.8	5264.8	5221.8	5237.9	5251.3
5°	5318.5	5334.7	5375.0	5412.6	5399.2	5313.2	5227.2	5224.5	5235.2
7.5°	5240.6	5278.2	5361.5	5455.6	5452.9	5305.1	5178.8	5146.5	5146.5
10°	5087.4	5122.3	5213.7	5340.0	5337.3	5151.9	5012.2	4996.0	4998.7
12.5°	4950.3	4966.5	5012.2	5111.6	5111.6	4928.8	4821.4	4837.5	4859.0
15°	4802.5	4813.3	4802.5	4834.8	4821.4	4670.9	4617.1	4668.2	4700.4
17.5°	4592.9	4598.3	4541.9	4498.9	4447.8	4353.7	4367.2	4442.4	4450.5
20°	4300.0	4334.9	4232.8	4122.6	4074.2	3985.5	4060.8	4144.1	4138.7
22.5°	3977.5	4017.8	3886.1	3703.4	3603.9	3569.0	3703.4	3778.6	3775.9
25°	3609.3	3638.9	3488.4	3233.0	3098.7	3093.3	3278.7	3356.7	3362.0
27.5°	3195.4	3206.2	3036.9	2703.6	2537.0	2577.3	2811.1	2918.6	2932.0
30°	2781.5	2776.2	2601.5	2187.6	1967.2	2077.4	2391.9	2510.1	2523.5
32.5°	2402.6	2386.5	2187.6	1693.1	1429.7	1593.7	2007.6	2131.2	2152.7
35°	2039.8	2012.9	1797.9	1252.4	959.4	1204.0	1677.0	1784.5	1792.6
37.5°	1660.9	1647.4	1478.1	937.9	669.2	913.7	1367.9	1445.9	1437.8
40°	1308.8	1308.8	1169.1	696.1	464.9	679.9	1083.1	1152.9	1128.7
42.5°	1026.6	1040.1	921.8	513.3	330.6	505.2	857.3	921.8	894.9
45°	827.7	827.7	725.6	381.6	215.0	376.2	677.2	736.4	731.0
47.5°	701.4	690.7	588.6	279.5	118.2	282.2	569.7	642.3	639.6
50°	626.2	610.1	505.2	220.4	83.3	233.8	499.9	567.1	569.7
52.5°	567.1	542.9	454.2	196.2	72.6	204.2	454.2	507.9	507.9
55°	502.6	489.1	408.5	174.7	64.5	182.7	408.5	456.9	454.2
57.5°	424.6	421.9	365.5	158.6	59.1	161.2	365.5	395.1	384.3
60°	346.7	357.4	317.1	142.4	53.7	145.1	311.7	335.9	330.6
62.5°	290.2	303.7	276.8	126.3	45.7	129.0	263.4	287.6	282.2
65°	241.9	252.6	231.1	107.5	40.3	107.5	217.7	239.2	239.2
67.5°	198.9	206.9	190.8	88.7	34.9	88.7	177.4	196.2	198.9
70°	158.6	163.9	150.5	69.9	29.6	72.6	139.7	158.6	158.6
72.5°	123.6	126.3	118.2	56.4	26.9	56.4	107.5	123.6	123.6
75°	88.7	94.1	88.7	43.0	24.2	43.0	83.3	91.4	94.1
77.5°	51.1	64.5	64.5	34.9	18.8	32.2	59.1	61.8	61.8
80°	34.9	40.3	45.7	24.2	13.4	24.2	37.6	40.3	37.6
82.5°	24.2	26.9	26.9	16.1	10.7	16.1	24.2	26.9	24.2
85°	13.4	18.8	18.8	13.4	8.1	10.7	13.4	16.1	13.4
87.5°	8.1	10.7	13.4	10.7	8.1	8.1	8.1	8.1	5.4
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)