

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: P799906

Luminaire Tested: **LD6C60D010 EU6609030 6LBMDDWLI**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799906  
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 EU6609030 6LBMDDWLI  
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

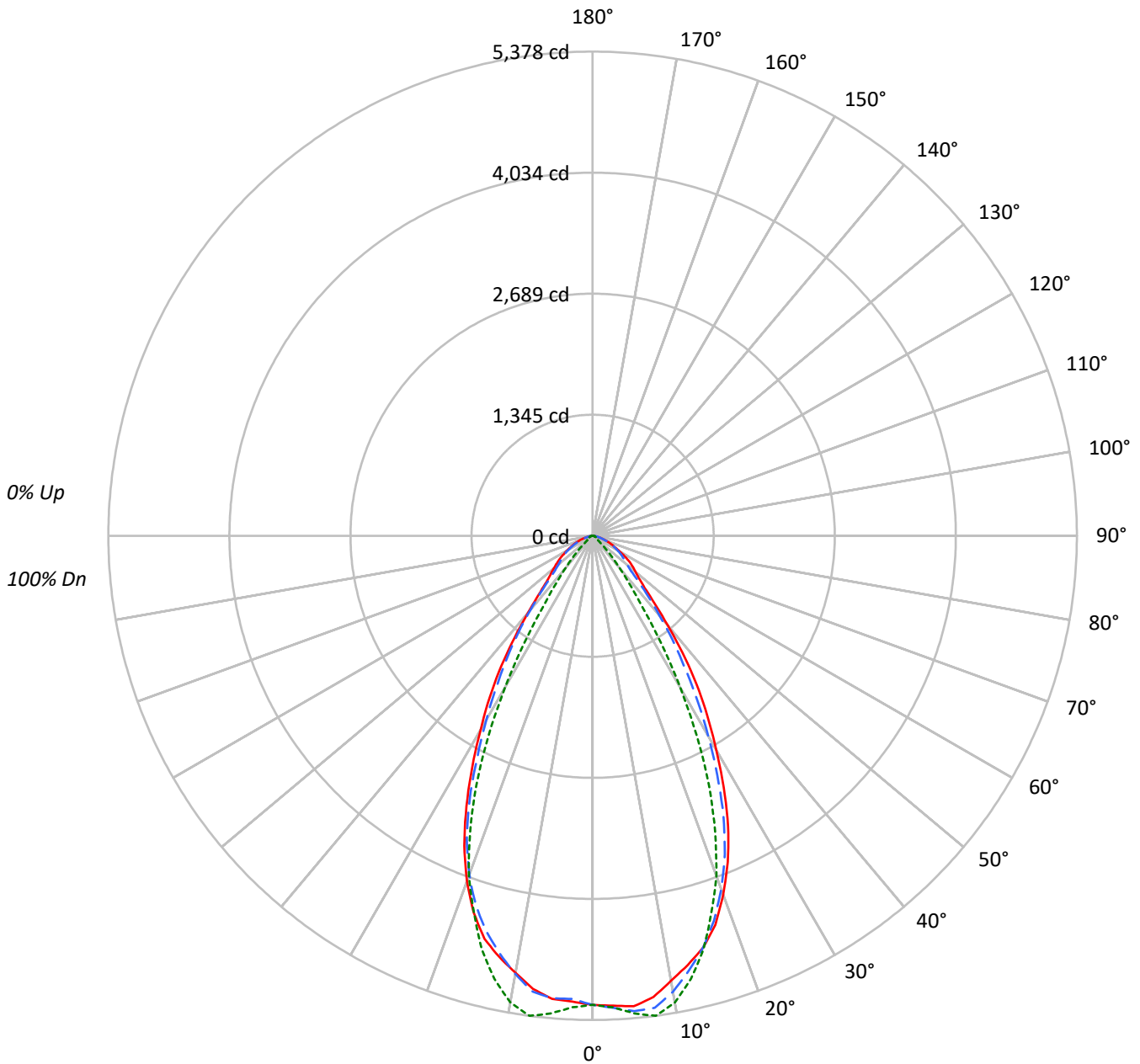
Lumens per Lamp: N/A  
Luminaire Lumens: 5305.0 lumens  
Efficiency: N/A  
Efficacy: 73.7 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	285662	285662	285662
5°	288652	293027	284129
10°	279298	293020	274433
15°	268815	269865	263095
20°	247402	234415	238126
25°	215311	184849	200564
30°	173653	122816	157543
35°	134629	63323	118313
40°	92373	32811	79664
45°	63293	16436	55890
50°	52672	7010	47922
55°	47367	6079	42809
60°	37486	5811	35743
65°	30937	5163	30600
70°	25068	4680	25068
75°	18533	5062	19656
80°	10892	4199	11712
85°	8366	5032	8366



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	496.0	9.4
10°-20°	1301.9	24.5
20°-30°	1486.0	28.0
30°-40°	985.5	18.6
40°-50°	475.3	9.0
50°-60°	292.4	5.5
60°-70°	176.9	3.3
70°-80°	74.5	1.4
80°-90°	16.5	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°	3284.0	61.9
0°-40°	4269.5	80.5
0°-60°	5037.2	95.0
0°-90°	5305.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5305.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	5211	5211	5211	5211	5211	
5°	5245	5301	5325	5155	5163	493
15°	4736	4736	4755	4554	4636	1320
25°	3560	3440	3056	3234	3316	1614
35°	2012	1773	946	1654	1768	1244
45°	816	716	212	668	721	666
55°	496	403	64	403	448	436
65°	238	228	40	215	236	240
75°	88	88	24	82	93	93
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°	5210.9	5210.9	5210.9	5210.9	5210.9	5210.9	5210.9	5210.9	5210.9
2.5°	5224.2	5232.1	5248.0	5250.7	5242.7	5192.4	5149.9	5165.9	5179.1
5°	5245.4	5261.3	5301.0	5338.1	5324.9	5240.1	5155.2	5152.6	5163.2
7.5°	5168.5	5205.6	5287.8	5380.5	5377.9	5232.1	5107.5	5075.7	5075.7
10°	5017.4	5051.9	5142.0	5266.6	5263.9	5081.0	4943.2	4927.3	4930.0
12.5°	4882.2	4898.1	4943.2	5041.3	5041.3	4861.0	4755.0	4770.9	4792.1
15°	4736.5	4747.1	4736.5	4768.3	4755.0	4606.6	4553.6	4603.9	4635.7
17.5°	4529.7	4535.0	4479.4	4437.0	4386.6	4293.8	4307.1	4381.3	4389.3
20°	4240.8	4275.3	4174.6	4065.9	4018.2	3930.7	4004.9	4087.1	4081.8
22.5°	3922.8	3962.5	3832.6	3652.4	3554.3	3519.9	3652.4	3726.6	3724.0
25°	3559.6	3588.8	3440.4	3188.6	3056.0	3050.7	3233.6	3310.5	3315.8
27.5°	3151.5	3162.1	2995.1	2666.4	2502.1	2541.8	2772.4	2878.5	2891.7
30°	2743.3	2738.0	2565.7	2157.5	1940.2	2048.8	2359.0	2475.6	2488.8
32.5°	2369.6	2353.7	2157.5	1669.8	1410.1	1571.8	1979.9	2101.9	2123.1
35°	2011.7	1985.2	1773.2	1235.1	946.2	1187.4	1653.9	1759.9	1767.9
37.5°	1638.0	1624.8	1457.8	925.0	660.0	901.2	1349.1	1426.0	1418.0
40°	1290.8	1290.8	1153.0	686.5	458.5	670.6	1068.2	1137.1	1113.2
42.5°	1012.5	1025.7	909.1	506.2	326.0	498.3	845.5	909.1	882.6
45°	816.4	816.4	715.6	376.4	212.0	371.1	667.9	726.2	720.9
47.5°	691.8	681.2	580.5	275.7	116.6	278.3	561.9	633.5	630.8
50°	617.6	601.7	498.3	217.3	82.2	230.6	493.0	559.3	561.9
52.5°	559.3	535.4	447.9	193.5	71.6	201.4	447.9	500.9	500.9
55°	495.6	482.4	402.9	172.3	63.6	180.2	402.9	450.6	447.9
57.5°	418.8	416.1	360.5	156.4	58.3	159.0	360.5	389.6	379.0
60°	341.9	352.5	312.8	140.5	53.0	143.1	307.5	331.3	326.0
62.5°	286.3	299.5	273.0	124.6	45.1	127.2	259.8	283.6	278.3
65°	238.5	249.1	227.9	106.0	39.8	106.0	214.7	235.9	235.9
67.5°	196.1	204.1	188.2	87.5	34.5	87.5	174.9	193.5	196.1
70°	156.4	161.7	148.4	68.9	29.2	71.6	137.8	156.4	156.4
72.5°	121.9	124.6	116.6	55.7	26.5	55.7	106.0	121.9	121.9
75°	87.5	92.8	87.5	42.4	23.9	42.4	82.2	90.1	92.8
77.5°	50.4	63.6	63.6	34.5	18.6	31.8	58.3	61.0	61.0
80°	34.5	39.8	45.1	23.9	13.3	23.9	37.1	39.8	37.1
82.5°	23.9	26.5	26.5	15.9	10.6	15.9	23.9	26.5	23.9
85°	13.3	18.6	18.6	13.3	8.0	10.6	13.3	15.9	13.3
87.5°	8.0	10.6	13.3	10.6	8.0	8.0	8.0	8.0	5.3
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)