

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: P799893

Luminaire Tested: **LD6C60D010 EU6609027 6LBMDDWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799893
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 EU6609027 6LBMDDWH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

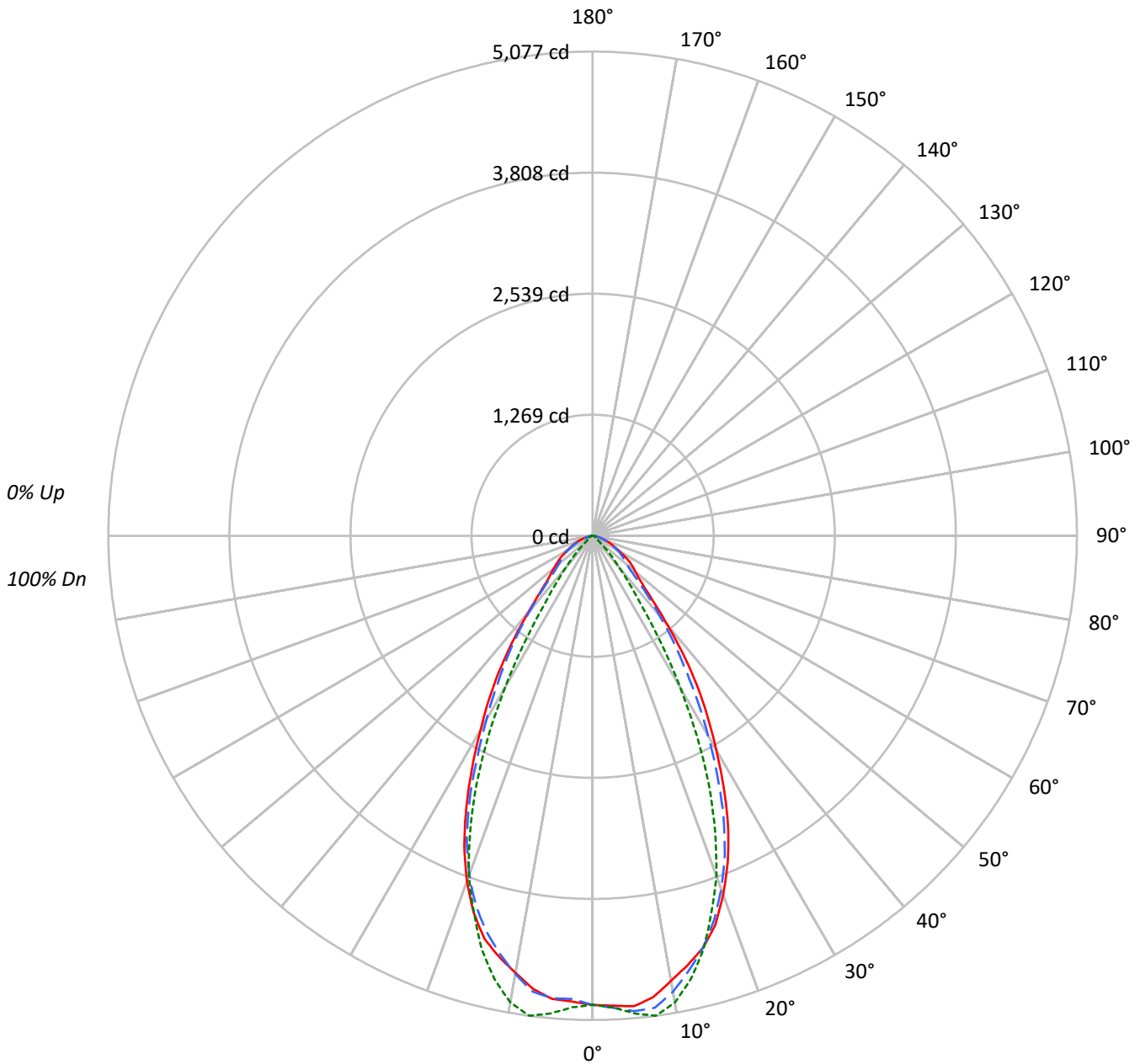
Lumens per Lamp: N/A
Luminaire Lumens: 5008.0 lumens
Efficiency: N/A
Efficacy: 69.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	269671	269671	269671
5°	272490	276623	268220
10°	263661	276615	259069
15°	253764	254757	248367
20°	233552	221289	224795
25°	203262	174506	189338
30°	163930	115942	148725
35°	127094	59782	111688
40°	87199	30979	75205
45°	59750	15521	52765
50°	49721	6618	45244
55°	44720	5744	40419
60°	35392	5482	33747
65°	29212	4864	28888
70°	23658	4408	23658
75°	17495	4766	18554
80°	10260	3946	11049
85°	7862	4717	7862



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.3	9.4
10°-20°	1229.0	24.5
20°-30°	1402.9	28.0
30°-40°	930.3	18.6
40°-50°	448.7	9.0
50°-60°	276.0	5.5
60°-70°	167.0	3.3
70°-80°	70.3	1.4
80°-90°	15.5	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°	3100.1	61.9
0°-40°	4030.5	80.5
0°-60°	4755.2	95.0
0°-90°	5008.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5008.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4919	4919	4919	4919	4919	
5°	4952	5004	5027	4867	4874	465
15°	4471	4471	4489	4299	4376	1246
25°	3360	3248	2885	3053	3130	1524
35°	1899	1674	893	1561	1669	1175
45°	771	676	200	630	681	629
55°	468	380	60	380	423	411
65°	225	215	38	203	223	226
75°	83	83	22	78	88	88
85°	12	18	8	12	12	16
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°	4919.2	4919.2	4919.2	4919.2	4919.2	4919.2	4919.2	4919.2	4919.2
2.5°	4931.7	4939.2	4954.2	4956.7	4949.2	4901.7	4861.6	4876.6	4889.2
5°	4951.7	4966.7	5004.3	5039.3	5026.8	4946.7	4866.6	4864.1	4874.1
7.5°	4879.1	4914.2	4991.7	5079.3	5076.8	4939.2	4821.6	4791.6	4791.6
10°	4736.5	4769.1	4854.1	4971.7	4969.2	4796.6	4666.5	4651.5	4654.0
12.5°	4608.9	4623.9	4666.5	4759.0	4759.0	4588.9	4488.8	4503.8	4523.8
15°	4471.3	4481.3	4471.3	4501.3	4488.8	4348.7	4298.7	4346.2	4376.2
17.5°	4276.1	4281.1	4228.6	4188.6	4141.0	4053.4	4066.0	4136.0	4143.5
20°	4003.4	4035.9	3940.8	3838.3	3793.2	3710.7	3780.7	3858.3	3853.3
22.5°	3703.1	3740.7	3618.1	3447.9	3355.3	3322.8	3447.9	3518.0	3515.5
25°	3360.4	3387.9	3247.8	3010.1	2885.0	2879.9	3052.6	3125.2	3130.2
27.5°	2975.0	2985.0	2827.4	2517.1	2362.0	2399.5	2617.2	2717.3	2729.8
30°	2589.7	2584.7	2422.1	2036.7	1831.6	1934.1	2226.9	2337.0	2349.5
32.5°	2236.9	2221.9	2036.7	1576.3	1331.1	1483.8	1869.1	1984.2	2004.2
35°	1899.1	1874.1	1673.9	1166.0	893.3	1121.0	1561.3	1661.4	1668.9
37.5°	1546.3	1533.8	1376.2	873.2	623.0	850.7	1273.6	1346.1	1338.6
40°	1218.5	1218.5	1088.4	648.1	432.9	633.0	1008.4	1073.4	1050.9
42.5°	955.8	968.3	858.2	477.9	307.8	470.4	798.2	858.2	833.2
45°	770.7	770.7	675.6	355.3	200.2	350.3	630.5	685.6	680.6
47.5°	653.1	643.0	548.0	260.2	110.1	262.7	530.5	598.0	595.5
50°	583.0	568.0	470.4	205.2	77.6	217.7	465.4	527.9	530.5
52.5°	527.9	505.4	422.9	182.7	67.6	190.2	422.9	472.9	472.9
55°	467.9	455.4	380.3	162.6	60.1	170.1	380.3	425.4	422.9
57.5°	395.3	392.8	340.3	147.6	55.0	150.1	340.3	367.8	357.8
60°	322.8	332.8	295.3	132.6	50.0	135.1	290.2	312.8	307.8
62.5°	270.2	282.7	257.7	117.6	42.5	120.1	245.2	267.7	262.7
65°	225.2	235.2	215.2	100.1	37.5	100.1	202.7	222.7	222.7
67.5°	185.2	192.7	177.7	82.6	32.5	82.6	165.1	182.7	185.2
70°	147.6	152.6	140.1	65.1	27.5	67.6	130.1	147.6	147.6
72.5°	115.1	117.6	110.1	52.5	25.0	52.5	100.1	115.1	115.1
75°	82.6	87.6	82.6	40.0	22.5	40.0	77.6	85.1	87.6
77.5°	47.5	60.1	60.1	32.5	17.5	30.0	55.0	57.5	57.5
80°	32.5	37.5	42.5	22.5	12.5	22.5	35.0	37.5	35.0
82.5°	22.5	25.0	25.0	15.0	10.0	15.0	22.5	25.0	22.5
85°	12.5	17.5	17.5	12.5	7.5	10.0	12.5	15.0	12.5
87.5°	7.5	10.0	12.5	10.0	7.5	7.5	7.5	7.5	5.0
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)