

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: P799905

Luminaire Tested: **LD6C60D010 EU6609030 6LBMDDWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799905
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 6LBMDDWH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

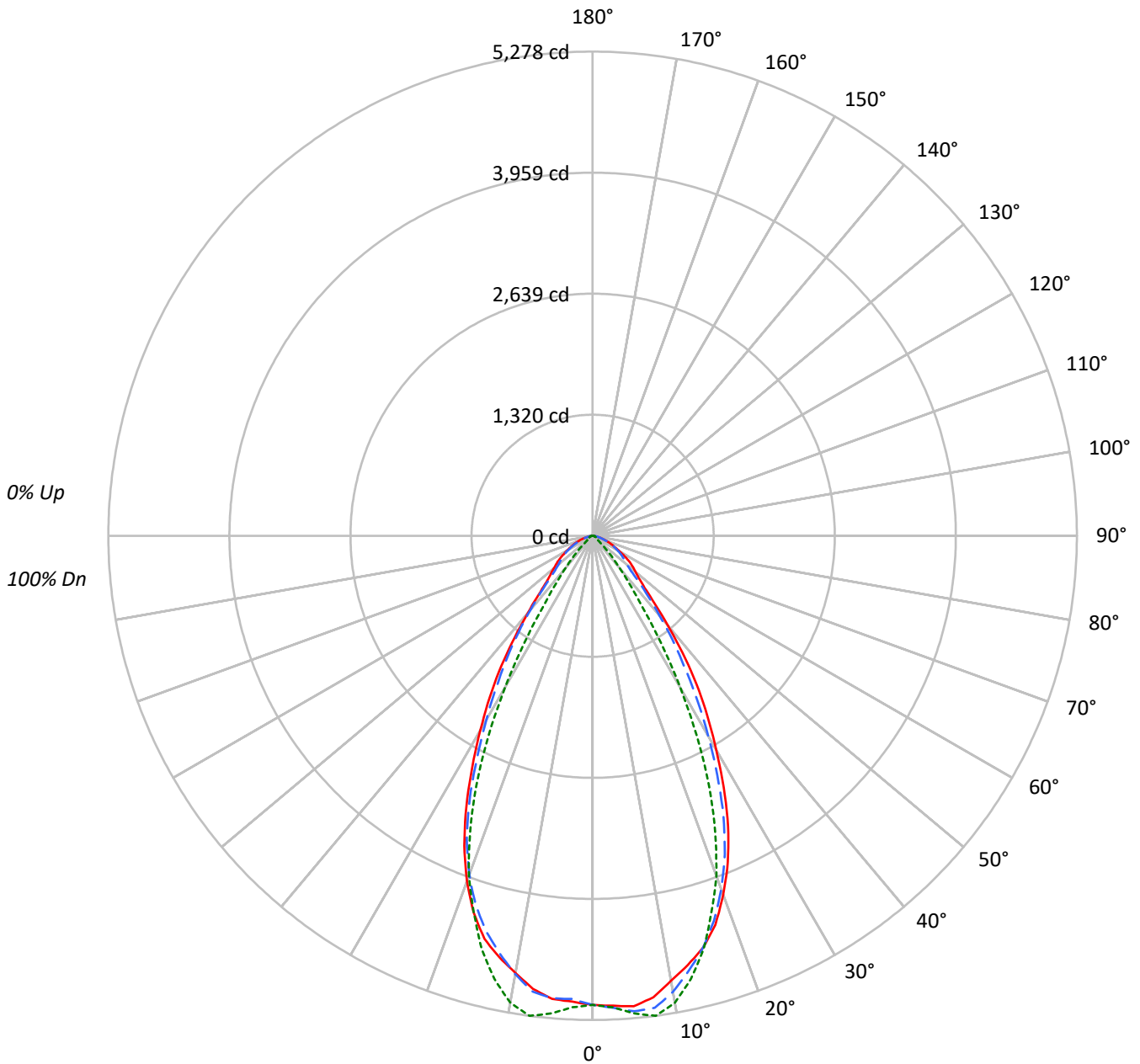
Lumens per Lamp: N/A
Luminaire Lumens: 5207.0 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				100				
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91				91				
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83				83				
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76				76				
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70				70				
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64				64				
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59				59				
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55				55				
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51				51				
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48				48				
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45				45				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	280383	280383	280383
5°	283320	287612	278879
10°	274138	287609	269362
15°	263849	264882	258236
20°	242834	230087	233727
25°	211337	181438	196856
30°	170444	120544	154638
35°	132146	62158	116125
40°	90670	32210	78197
45°	62123	16133	54858
50°	51700	6874	47035
55°	46498	5964	42025
60°	36795	5701	35085
65°	30366	5059	30029
70°	24604	4584	24604
75°	18194	4956	19296
80°	10671	4104	11491
85°	8177	4906	8177



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	486.9	9.4
10°-20°	1277.9	24.5
20°-30°	1458.6	28.0
30°-40°	967.3	18.6
40°-50°	466.5	9.0
50°-60°	287.0	5.5
60°-70°	173.7	3.3
70°-80°	73.1	1.4
80°-90°	16.1	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°	3223.3	61.9
0°-40°	4190.6	80.5
0°-60°	4944.2	95.0
0°-90°	5207.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5207.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5115	5115	5115	5115	5115	
5°	5148	5203	5226	5060	5068	484
15°	4649	4649	4667	4470	4550	1296
25°	3494	3377	3000	3174	3254	1584
35°	1975	1740	929	1623	1735	1221
45°	801	702	208	656	708	653
55°	486	395	62	395	440	428
65°	234	224	39	211	232	235
75°	86	86	23	81	91	92
85°	13	18	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°	5114.6	5114.6	5114.6	5114.6	5114.6	5114.6	5114.6	5114.6	5114.6
2.5°	5127.7	5135.5	5151.1	5153.7	5145.9	5096.4	5054.8	5070.4	5083.4
5°	5148.5	5164.1	5203.1	5239.5	5226.5	5143.3	5060.0	5057.4	5067.8
7.5°	5073.0	5109.4	5190.1	5281.1	5278.5	5135.5	5013.2	4982.0	4982.0
10°	4924.7	4958.6	5047.0	5169.3	5166.7	4987.2	4851.9	4836.3	4838.9
12.5°	4792.1	4807.7	4851.9	4948.1	4948.1	4771.2	4667.2	4682.8	4703.6
15°	4649.0	4659.4	4649.0	4680.2	4667.2	4521.5	4469.5	4518.9	4550.1
17.5°	4446.0	4451.3	4396.6	4355.0	4305.6	4214.5	4227.5	4300.4	4308.2
20°	4162.5	4196.3	4097.4	3990.8	3944.0	3858.1	3930.9	4011.6	4006.4
22.5°	3850.3	3889.3	3761.8	3584.9	3488.7	3454.9	3584.9	3657.8	3655.2
25°	3493.9	3522.5	3376.8	3129.7	2999.6	2994.4	3173.9	3249.3	3254.5
27.5°	3093.2	3103.6	2939.8	2617.2	2455.9	2494.9	2721.2	2825.3	2838.3
30°	2692.6	2687.4	2518.3	2117.7	1904.3	2011.0	2315.4	2429.8	2442.9
32.5°	2325.8	2310.2	2117.7	1639.0	1384.0	1542.7	1943.4	2063.0	2083.8
35°	1974.6	1948.6	1740.4	1212.3	928.8	1165.5	1623.4	1727.4	1735.2
37.5°	1607.8	1594.8	1430.9	907.9	647.8	884.5	1324.2	1399.6	1391.8
40°	1267.0	1267.0	1131.7	673.8	450.1	658.2	1048.4	1116.1	1092.7
42.5°	993.8	1006.8	892.3	496.9	320.0	489.1	829.9	892.3	866.3
45°	801.3	801.3	702.4	369.4	208.1	364.2	655.6	712.8	707.6
47.5°	679.0	668.6	569.7	270.6	114.5	273.2	551.5	621.8	619.2
50°	606.2	590.6	489.1	213.3	80.6	226.3	483.9	548.9	551.5
52.5°	548.9	525.5	439.7	189.9	70.2	197.7	439.7	491.7	491.7
55°	486.5	473.5	395.4	169.1	62.4	176.9	395.4	442.3	439.7
57.5°	411.0	408.4	353.8	153.5	57.2	156.1	353.8	382.4	372.0
60°	335.6	346.0	307.0	137.9	52.0	140.5	301.8	325.2	320.0
62.5°	281.0	294.0	268.0	122.3	44.2	124.9	255.0	278.4	273.2
65°	234.1	244.5	223.7	104.1	39.0	104.1	210.7	231.5	231.5
67.5°	192.5	200.3	184.7	85.9	33.8	85.9	171.7	189.9	192.5
70°	153.5	158.7	145.7	67.6	28.6	70.2	135.3	153.5	153.5
72.5°	119.7	122.3	114.5	54.6	26.0	54.6	104.1	119.7	119.7
75°	85.9	91.1	85.9	41.6	23.4	41.6	80.6	88.5	91.1
77.5°	49.4	62.4	62.4	33.8	18.2	31.2	57.2	59.8	59.8
80°	33.8	39.0	44.2	23.4	13.0	23.4	36.4	39.0	36.4
82.5°	23.4	26.0	26.0	15.6	10.4	15.6	23.4	26.0	23.4
85°	13.0	18.2	18.2	13.0	7.8	10.4	13.0	15.6	13.0
87.5°	7.8	10.4	13.0	10.4	7.8	7.8	7.8	7.8	5.2
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)