

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: P799925

Luminaire Tested: **LD6C60D010 EU6609035 6LBMDSWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799925
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C60D010 EU6609035 6LBMDSWMW
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

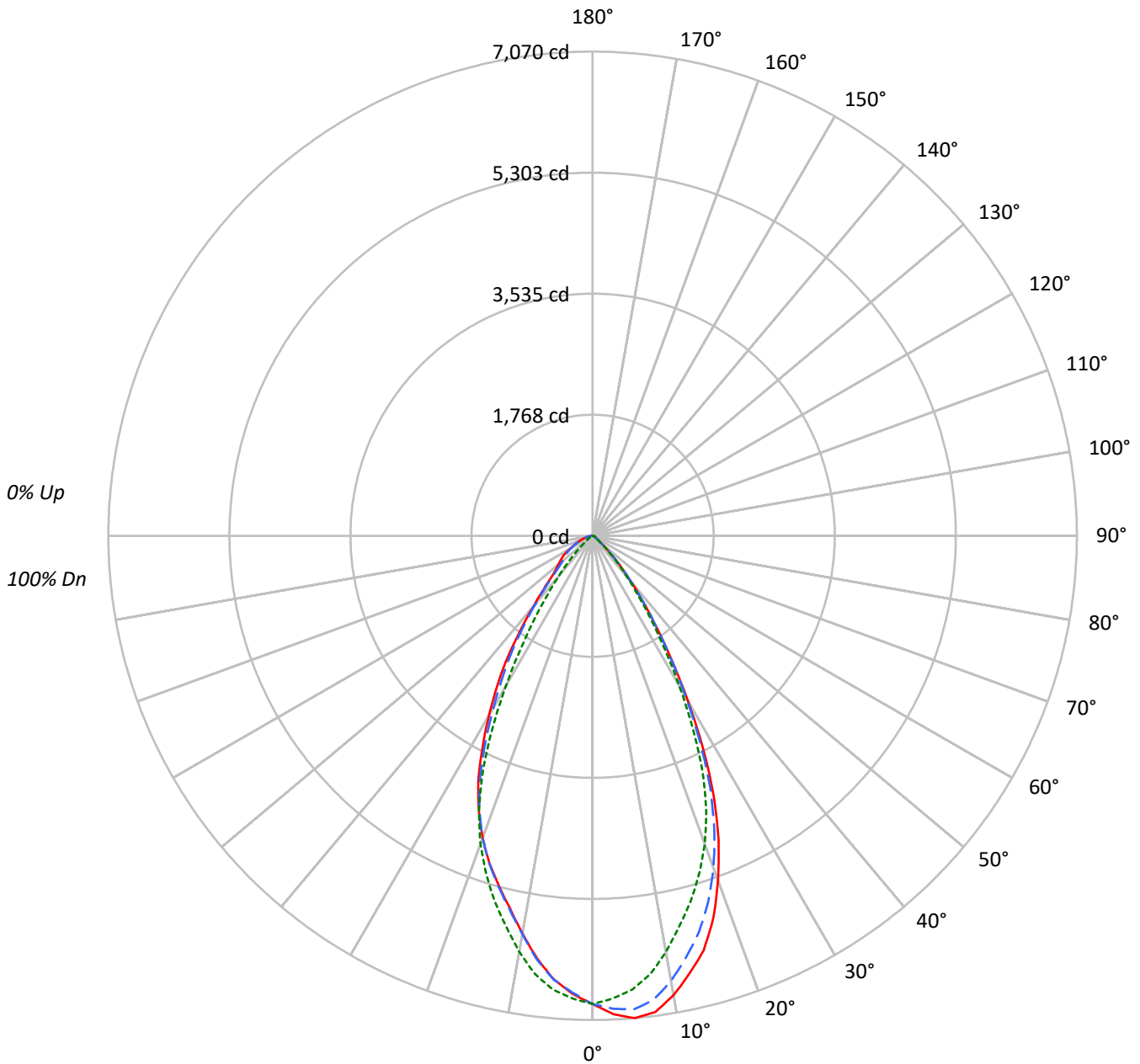
Lumens per Lamp: N/A
Luminaire Lumens: 5885.9 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92					92			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85					85			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78					78			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73					73			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67					67			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63					63			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59					59			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55					55			
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52					52			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49					49			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	374778	374778	374778
5°	389032	365985	357709
10°	379084	343291	328189
15°	355524	313679	300121
20°	312116	279248	273916
25°	252432	229416	238871
30°	175495	159809	191175
35°	108161	97902	144279
40°	61208	54874	95822
45°	29724	28352	65394
50°	11317	11317	55589
55°	6203	7331	51305
60°	4528	5822	42036
65°	3827	4968	34427
70°	3302	4248	28370
75°	3114	4363	24358
80°	1863	3725	17679
85°	1824	7422	16668



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	625.9	10.6
10°-20°	1573.0	26.7
20°-30°	1770.8	30.1
30°-40°	1096.5	18.6
40°-50°	436.7	7.4
50°-60°	198.8	3.4
60°-70°	114.3	1.9
70°-80°	54.2	0.9
80°-90°	15.8	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°	3969.7	67.4
0°-40°	5066.2	86.1
0°-60°	5701.6	96.9
0°-90°	5885.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5885.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6836	6836	6836	6836	6836	
5°	7070	6940	6651	6506	6500	666
15°	6264	5993	5527	5303	5288	1733
25°	4173	4061	3793	3887	3949	1876
35°	1616	1607	1463	2038	2156	1039
45°	383	383	366	796	844	325
55°	65	62	77	472	537	64
65°	30	26	38	262	265	29
75°	15	15	21	112	115	15
85°	3	3	12	26	26	2
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°	6836.5	6836.5	6836.5	6836.5	6836.5	6836.5	6836.5	6836.5	6836.5
2.5°	6992.8	6927.9	6913.2	6857.2	6762.8	6709.7	6677.3	6653.7	6694.9
5°	7069.5	6998.7	6939.7	6824.7	6650.7	6553.4	6506.2	6467.8	6500.3
7.5°	7013.5	6913.2	6833.6	6674.3	6453.1	6302.7	6237.8	6193.6	6223.1
10°	6810.0	6689.0	6597.6	6408.9	6167.0	5987.1	5907.5	5866.2	5895.7
12.5°	6544.5	6444.3	6305.6	6099.2	5839.6	5650.9	5591.9	5559.5	5571.3
15°	6264.3	6146.4	5993.0	5786.6	5527.0	5338.3	5302.9	5282.2	5288.1
17.5°	5857.3	5742.3	5609.6	5409.0	5170.2	5016.8	5016.8	5002.0	5010.9
20°	5350.1	5288.1	5158.4	4990.2	4786.7	4648.1	4692.4	4677.6	4695.3
22.5°	4801.5	4754.3	4642.2	4503.6	4332.5	4223.4	4320.7	4317.8	4341.4
25°	4173.3	4137.9	4061.2	3943.2	3792.8	3725.0	3887.2	3887.2	3949.1
27.5°	3480.2	3444.8	3391.7	3291.4	3167.6	3146.9	3385.8	3415.3	3483.1
30°	2772.4	2748.8	2719.3	2627.8	2524.6	2563.0	2893.3	2943.4	3020.1
32.5°	2141.2	2126.5	2117.6	2035.0	1943.6	2070.4	2447.9	2512.8	2589.5
35°	1616.2	1583.8	1607.4	1545.4	1462.9	1622.1	2038.0	2094.0	2155.9
37.5°	1191.5	1167.9	1188.6	1144.3	1070.6	1244.6	1636.9	1672.3	1713.6
40°	855.3	834.7	852.4	825.8	766.8	929.0	1283.0	1321.3	1339.0
42.5°	607.6	572.2	589.9	569.2	539.7	699.0	1008.7	1044.1	1050.0
45°	383.4	371.6	383.4	371.6	365.7	519.1	796.3	828.8	843.5
47.5°	233.0	218.2	218.2	212.4	218.2	383.4	657.7	704.9	728.5
50°	132.7	126.8	123.9	120.9	132.7	300.8	569.2	622.3	651.8
52.5°	88.5	85.5	85.5	82.6	97.3	253.6	513.2	560.4	589.9
55°	64.9	61.9	61.9	61.9	76.7	218.2	471.9	510.2	536.8
57.5°	50.1	50.1	50.1	47.2	64.9	185.8	421.8	442.4	463.0
60°	41.3	38.3	38.3	38.3	53.1	159.3	362.8	371.6	383.4
62.5°	32.4	32.4	32.4	32.4	44.2	141.6	312.6	312.6	318.5
65°	29.5	26.5	26.5	26.5	38.3	123.9	262.5	259.5	265.4
67.5°	23.6	23.6	23.6	23.6	32.4	106.2	215.3	212.4	218.2
70°	20.6	20.6	20.6	20.6	26.5	88.5	174.0	171.1	177.0
72.5°	17.7	17.7	17.7	17.7	23.6	73.7	138.6	138.6	141.6
75°	14.7	14.7	14.7	14.7	20.6	56.0	112.1	112.1	115.0
77.5°	11.8	11.8	11.8	11.8	14.7	44.2	85.5	82.6	82.6
80°	5.9	8.8	8.8	8.8	11.8	32.4	61.9	56.0	56.0
82.5°	2.9	5.9	5.9	5.9	11.8	23.6	41.3	38.3	38.3
85°	2.9	2.9	2.9	8.8	11.8	17.7	26.5	26.5	26.5
87.5°	0.0	2.9	5.9	11.8	14.7	14.7	17.7	14.7	14.7
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)