

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: P799926

Luminaire Tested: **LD6C60D010 EU6609035 6LBMDSWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799926
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 6LBMDSWWH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

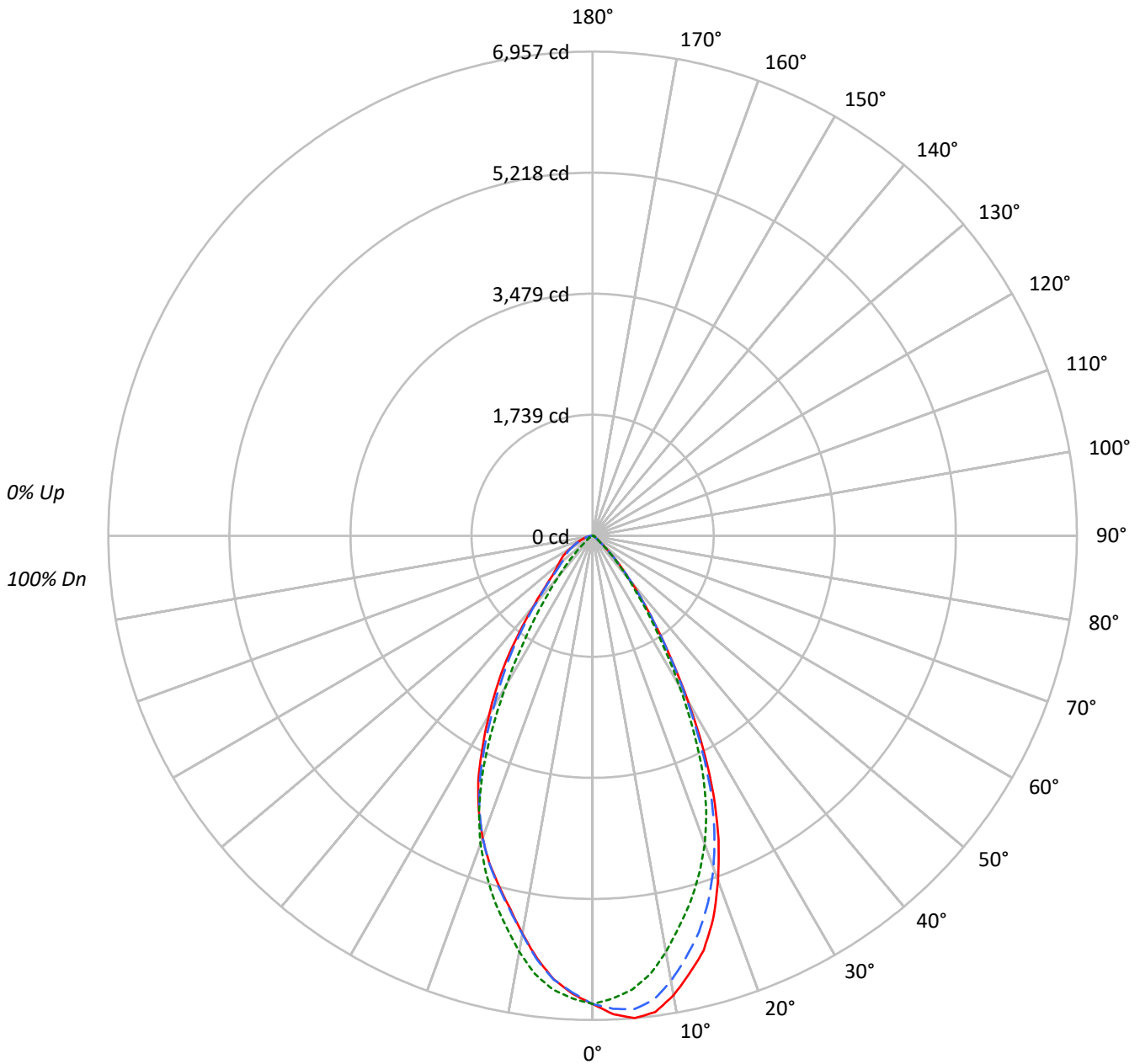
Lumens per Lamp: N/A
Luminaire Lumens: 5792.0 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	368792	368792	368792
5°	382819	360141	351997
10°	373028	337808	322945
15°	349849	308674	295331
20°	307128	274791	269541
25°	248397	225751	235060
30°	172691	157258	188124
35°	106434	96336	141977
40°	60227	54001	94291
45°	29251	27902	64348
50°	11138	11138	54702
55°	6098	7216	50483
60°	4451	5723	41367
65°	3762	4890	33882
70°	3254	4183	27905
75°	3071	4300	23977
80°	1831	3662	17395
85°	1824	7296	16417



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	615.9	10.6
10°-20°	1547.9	26.7
20°-30°	1742.5	30.1
30°-40°	1079.0	18.6
40°-50°	429.7	7.4
50°-60°	195.6	3.4
60°-70°	112.4	1.9
70°-80°	53.4	0.9
80°-90°	15.6	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°	3906.3	67.4
0°-40°	4985.3	86.1
0°-60°	5610.6	96.9
0°-90°	5792.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5792.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6727	6727	6727	6727	6727	
5°	6957	6829	6544	6402	6396	655
15°	6164	5897	5439	5218	5204	1705
25°	4107	3996	3732	3825	3886	1846
35°	1590	1582	1440	2005	2122	1022
45°	377	377	360	784	830	320
55°	64	61	76	464	528	63
65°	29	26	38	258	261	28
75°	14	14	20	110	113	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°	6727.3	6727.3	6727.3	6727.3	6727.3	6727.3	6727.3	6727.3	6727.3
2.5°	6881.2	6817.3	6802.8	6747.6	6654.8	6602.5	6570.6	6547.4	6588.0
5°	6956.6	6887.0	6828.9	6715.7	6544.5	6448.7	6402.3	6364.6	6396.5
7.5°	6901.5	6802.8	6724.4	6567.7	6350.0	6202.0	6138.2	6094.7	6123.7
10°	6701.2	6582.2	6492.3	6306.5	6068.5	5891.5	5813.1	5772.5	5801.5
12.5°	6440.0	6341.3	6204.9	6001.8	5746.4	5560.6	5502.6	5470.7	5482.3
15°	6164.3	6048.2	5897.3	5694.1	5438.8	5253.0	5218.2	5197.9	5203.7
17.5°	5763.8	5650.6	5520.0	5322.7	5087.6	4936.7	4936.7	4922.2	4930.9
20°	5264.6	5203.7	5076.0	4910.5	4710.3	4573.9	4617.4	4602.9	4620.3
22.5°	4724.8	4678.4	4568.1	4431.7	4263.4	4156.0	4251.7	4248.8	4272.1
25°	4106.6	4071.8	3996.3	3880.3	3732.2	3665.5	3825.1	3825.1	3886.1
27.5°	3424.6	3389.8	3337.5	3238.9	3117.0	3096.7	3331.7	3360.8	3427.5
30°	2728.1	2704.9	2675.8	2585.9	2484.3	2522.0	2847.1	2896.4	2971.9
32.5°	2107.0	2092.5	2083.8	2002.5	1912.6	2037.4	2408.8	2472.7	2548.1
35°	1590.4	1558.5	1581.7	1520.8	1439.5	1596.2	2005.4	2060.6	2121.5
37.5°	1172.5	1149.3	1169.6	1126.1	1053.5	1224.7	1610.7	1645.6	1686.2
40°	841.6	821.3	838.7	812.6	754.6	914.2	1262.5	1300.2	1317.6
42.5°	597.9	563.0	580.4	560.1	531.1	687.8	992.6	1027.4	1033.2
45°	377.3	365.7	377.3	365.7	359.9	510.8	783.6	815.5	830.0
47.5°	229.3	214.8	214.8	209.0	214.8	377.3	647.2	693.6	716.8
50°	130.6	124.8	121.9	119.0	130.6	296.0	560.1	612.4	641.4
52.5°	87.1	84.2	84.2	81.3	95.8	249.6	505.0	551.4	580.4
55°	63.8	60.9	60.9	60.9	75.5	214.8	464.4	502.1	528.2
57.5°	49.3	49.3	49.3	46.4	63.8	182.8	415.0	435.3	455.6
60°	40.6	37.7	37.7	37.7	52.2	156.7	357.0	365.7	377.3
62.5°	31.9	31.9	31.9	31.9	43.5	139.3	307.6	307.6	313.4
65°	29.0	26.1	26.1	26.1	37.7	121.9	258.3	255.4	261.2
67.5°	23.2	23.2	23.2	23.2	31.9	104.5	211.9	209.0	214.8
70°	20.3	20.3	20.3	20.3	26.1	87.1	171.2	168.3	174.1
72.5°	17.4	17.4	17.4	17.4	23.2	72.6	136.4	136.4	139.3
75°	14.5	14.5	14.5	14.5	20.3	55.1	110.3	110.3	113.2
77.5°	11.6	11.6	11.6	11.6	14.5	43.5	84.2	81.3	81.3
80°	5.8	8.7	8.7	8.7	11.6	31.9	60.9	55.1	55.1
82.5°	2.9	5.8	5.8	5.8	11.6	23.2	40.6	37.7	37.7
85°	2.9	2.9	2.9	8.7	11.6	17.4	26.1	26.1	26.1
87.5°	0.0	2.9	5.8	11.6	14.5	14.5	17.4	14.5	14.5
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)