

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: P799947

Luminaire Tested: **LD6C60D010 EU6609050 6LBMDSWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799947
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 EU6609050 6LBMDSWH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

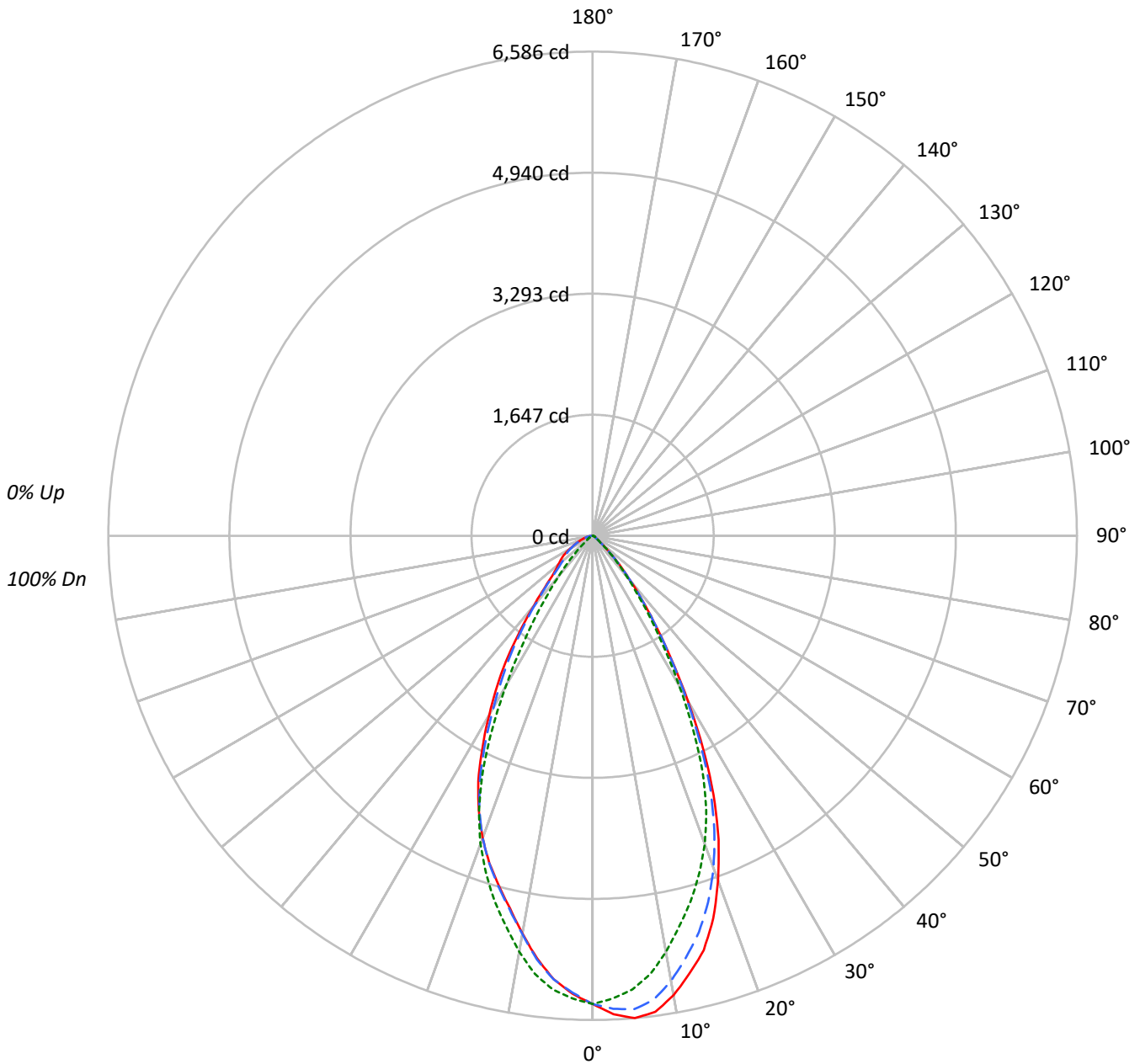
Lumens per Lamp: N/A
Luminaire Lumens: 5483.0 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	349117	349117	349117
5°	362397	340925	333215
10°	353128	319789	305717
15°	331182	292204	279576
20°	290747	260131	255161
25°	235145	213708	222515
30°	163475	148871	178084
35°	100759	91196	134402
40°	57014	51117	89260
45°	27693	26414	60921
50°	10541	10541	51785
55°	5773	6824	47788
60°	4221	5427	39164
65°	3567	4631	32079
70°	3077	3959	26415
75°	2902	4067	22685
80°	1736	3473	16479
85°	1698	6919	15536



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	583.0	10.6
10°-20°	1465.3	26.7
20°-30°	1649.6	30.1
30°-40°	1021.4	18.6
40°-50°	406.8	7.4
50°-60°	185.2	3.4
60°-70°	106.4	1.9
70°-80°	50.5	0.9
80°-90°	14.7	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°	3697.9	67.4
0°-40°	4719.3	86.1
0°-60°	5311.3	96.9
0°-90°	5483.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5483.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6368	6368	6368	6368	6368	
5°	6586	6465	6195	6061	6055	620
15°	5835	5583	5149	4940	4926	1614
25°	3888	3783	3533	3621	3679	1747
35°	1506	1497	1363	1898	2008	968
45°	357	357	341	742	786	303
55°	60	58	71	440	500	60
65°	28	25	36	244	247	27
75°	14	14	19	104	107	14
85°	3	3	11	25	25	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°	6368.4	6368.4	6368.4	6368.4	6368.4	6368.4	6368.4	6368.4	6368.4
2.5°	6514.0	6453.6	6439.9	6387.7	6299.8	6250.3	6220.1	6198.1	6236.6
5°	6585.5	6519.5	6464.6	6357.4	6195.3	6104.7	6060.7	6025.0	6055.2
7.5°	6533.3	6439.9	6365.7	6217.3	6011.3	5871.2	5810.7	5769.5	5797.0
10°	6343.7	6231.1	6145.9	5970.1	5744.8	5577.2	5503.0	5464.5	5492.0
12.5°	6096.4	6003.0	5873.9	5681.6	5439.8	5264.0	5209.0	5178.8	5189.8
15°	5835.4	5725.5	5582.7	5390.4	5148.6	4972.8	4939.8	4920.6	4926.1
17.5°	5456.3	5349.2	5225.5	5038.7	4816.2	4673.3	4673.3	4659.6	4667.8
20°	4983.8	4926.1	4805.2	4648.6	4459.0	4329.9	4371.1	4357.3	4373.8
22.5°	4472.7	4428.8	4324.4	4195.3	4035.9	3934.3	4024.9	4022.2	4044.1
25°	3887.5	3854.6	3783.1	3673.3	3533.1	3469.9	3621.1	3621.1	3678.7
27.5°	3241.9	3208.9	3159.5	3066.1	2950.7	2931.5	3154.0	3181.5	3244.7
30°	2582.5	2560.6	2533.1	2447.9	2351.8	2387.5	2695.2	2741.9	2813.3
32.5°	1994.6	1980.9	1972.6	1895.7	1810.5	1928.7	2280.3	2340.8	2412.2
35°	1505.6	1475.3	1497.3	1439.6	1362.7	1511.1	1898.4	1950.6	2008.3
37.5°	1109.9	1088.0	1107.2	1066.0	997.3	1159.4	1524.8	1557.8	1596.2
40°	796.7	777.5	794.0	769.3	714.3	865.4	1195.1	1230.8	1247.3
42.5°	566.0	533.0	549.5	530.2	502.8	651.1	939.6	972.6	978.1
45°	357.2	346.2	357.2	346.2	340.7	483.5	741.8	772.0	785.8
47.5°	217.0	203.3	203.3	197.8	203.3	357.2	612.7	656.6	678.6
50°	123.6	118.1	115.4	112.6	123.6	280.2	530.2	579.7	607.2
52.5°	82.4	79.7	79.7	76.9	90.7	236.3	478.0	522.0	549.5
55°	60.4	57.7	57.7	57.7	71.4	203.3	439.6	475.3	500.0
57.5°	46.7	46.7	46.7	44.0	60.4	173.1	392.9	412.1	431.3
60°	38.5	35.7	35.7	35.7	49.5	148.4	337.9	346.2	357.2
62.5°	30.2	30.2	30.2	30.2	41.2	131.9	291.2	291.2	296.7
65°	27.5	24.7	24.7	24.7	35.7	115.4	244.5	241.8	247.3
67.5°	22.0	22.0	22.0	22.0	30.2	98.9	200.6	197.8	203.3
70°	19.2	19.2	19.2	19.2	24.7	82.4	162.1	159.3	164.8
72.5°	16.5	16.5	16.5	16.5	22.0	68.7	129.1	129.1	131.9
75°	13.7	13.7	13.7	13.7	19.2	52.2	104.4	104.4	107.1
77.5°	11.0	11.0	11.0	11.0	13.7	41.2	79.7	76.9	76.9
80°	5.5	8.2	8.2	8.2	11.0	30.2	57.7	52.2	52.2
82.5°	2.7	5.5	5.5	5.5	11.0	22.0	38.5	35.7	35.7
85°	2.7	2.7	2.7	8.2	11.0	16.5	24.7	24.7	24.7
87.5°	0.0	2.7	5.5	11.0	13.7	13.7	16.5	13.7	13.7
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)