

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: P799898

Luminaire Tested: **LD6C60D010 EU6609027 6LBMDSWGPH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799898
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 EU6609027 6LBMDSWGPH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

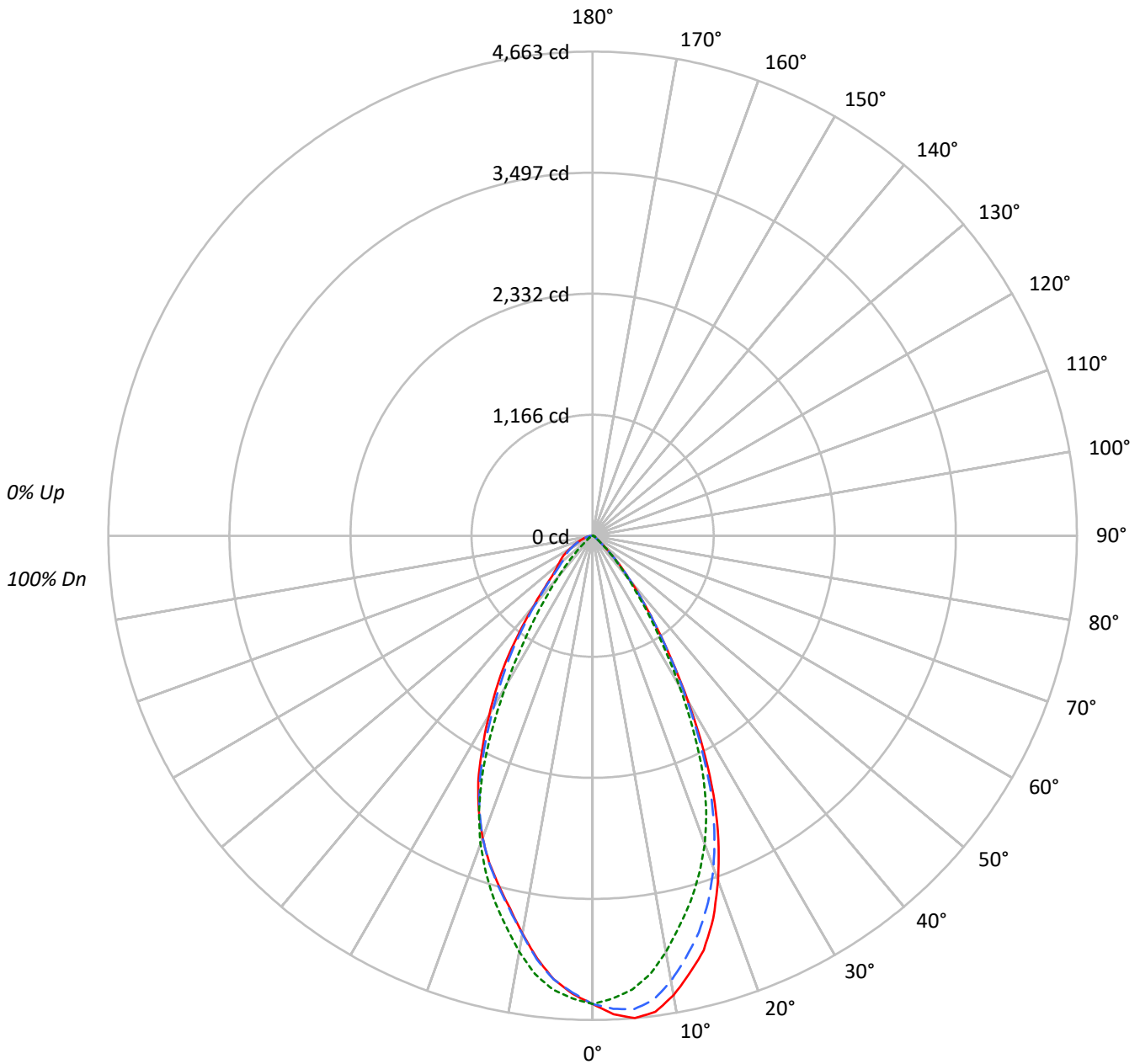
Lumens per Lamp: N/A
Luminaire Lumens: 3882.0 lumens
Efficiency: N/A
Efficacy: 53.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	247179	247179	247179
5°	256581	241376	235917
10°	250018	226410	216451
15°	234479	206880	197941
20°	205847	184174	180657
25°	166485	151309	157545
30°	115746	105402	126083
35°	71340	64567	95158
40°	40368	36189	63197
45°	19607	18700	43129
50°	7462	7462	36664
55°	4091	4836	33834
60°	2982	3837	27728
65°	2529	3282	22713
70°	2180	2805	18705
75°	2055	2881	16076
80°	1231	2462	11681
85°	1195	4906	11007



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.8	10.6
10°-20°	1037.5	26.7
20°-30°	1167.9	30.1
30°-40°	723.2	18.6
40°-50°	288.0	7.4
50°-60°	131.1	3.4
60°-70°	75.4	1.9
70°-80°	35.8	0.9
80°-90°	10.4	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°	2618.1	67.4
0°-40°	3341.3	86.1
0°-60°	3760.4	96.9
0°-90°	3882.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3882.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4509	4509	4509	4509	4509	
5°	4663	4577	4386	4291	4287	439
15°	4132	3953	3645	3497	3488	1143
25°	2752	2678	2502	2564	2605	1237
35°	1066	1060	965	1344	1422	685
45°	253	253	241	525	556	214
55°	43	41	51	311	354	42
65°	20	18	25	173	175	19
75°	10	10	14	74	76	10
85°	2	2	8	18	18	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°	4508.9	4508.9	4508.9	4508.9	4508.9	4508.9	4508.9	4508.9	4508.9
2.5°	4612.0	4569.2	4559.5	4522.5	4460.3	4425.3	4403.9	4388.3	4415.5
5°	4662.6	4615.9	4577.0	4501.1	4386.3	4322.2	4291.0	4265.7	4287.1
7.5°	4625.6	4559.5	4506.9	4401.9	4256.0	4156.8	4114.0	4084.8	4104.3
10°	4491.4	4411.6	4351.3	4226.8	4067.3	3948.7	3896.2	3868.9	3888.4
12.5°	4316.3	4250.2	4158.8	4022.6	3851.4	3726.9	3688.0	3666.6	3674.4
15°	4131.5	4053.7	3952.6	3816.4	3645.2	3520.7	3497.4	3483.8	3487.7
17.5°	3863.1	3787.2	3699.7	3567.4	3409.9	3308.7	3308.7	3299.0	3304.8
20°	3528.5	3487.7	3402.1	3291.2	3157.0	3065.6	3094.8	3085.0	3096.7
22.5°	3166.7	3135.6	3061.7	2970.3	2857.4	2785.5	2849.7	2847.7	2863.3
25°	2752.4	2729.1	2678.5	2600.7	2501.5	2456.7	2563.7	2563.7	2604.6
27.5°	2295.3	2272.0	2236.9	2170.8	2089.1	2075.5	2233.0	2252.5	2297.2
30°	1828.5	1812.9	1793.4	1733.1	1665.1	1690.3	1908.2	1941.3	1991.8
32.5°	1412.2	1402.5	1396.6	1342.2	1281.9	1365.5	1614.5	1657.3	1707.9
35°	1066.0	1044.6	1060.1	1019.3	964.8	1069.8	1344.1	1381.1	1421.9
37.5°	785.8	770.3	783.9	754.7	706.1	820.9	1079.6	1102.9	1130.1
40°	564.1	550.5	562.2	544.6	505.7	612.7	846.1	871.4	883.1
42.5°	400.7	377.4	389.0	375.4	356.0	461.0	665.2	688.6	692.5
45°	252.9	245.1	252.9	245.1	241.2	342.3	525.2	546.6	556.3
47.5°	153.7	143.9	143.9	140.1	143.9	252.9	433.8	464.9	480.5
50°	87.5	83.6	81.7	79.8	87.5	198.4	375.4	410.4	429.9
52.5°	58.4	56.4	56.4	54.5	64.2	167.3	338.5	369.6	389.0
55°	42.8	40.8	40.8	40.8	50.6	143.9	311.2	336.5	354.0
57.5°	33.1	33.1	33.1	31.1	42.8	122.5	278.2	291.8	305.4
60°	27.2	25.3	25.3	25.3	35.0	105.0	239.3	245.1	252.9
62.5°	21.4	21.4	21.4	21.4	29.2	93.4	206.2	206.2	210.1
65°	19.5	17.5	17.5	17.5	25.3	81.7	173.1	171.2	175.1
67.5°	15.6	15.6	15.6	15.6	21.4	70.0	142.0	140.1	143.9
70°	13.6	13.6	13.6	13.6	17.5	58.4	114.8	112.8	116.7
72.5°	11.7	11.7	11.7	11.7	15.6	48.6	91.4	91.4	93.4
75°	9.7	9.7	9.7	9.7	13.6	37.0	73.9	73.9	75.9
77.5°	7.8	7.8	7.8	7.8	9.7	29.2	56.4	54.5	54.5
80°	3.9	5.8	5.8	5.8	7.8	21.4	40.8	37.0	37.0
82.5°	1.9	3.9	3.9	3.9	7.8	15.6	27.2	25.3	25.3
85°	1.9	1.9	1.9	5.8	7.8	11.7	17.5	17.5	17.5
87.5°	0.0	1.9	3.9	7.8	9.7	9.7	11.7	9.7	9.7
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)