

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: P800060

Luminaire Tested: **LD6C70D010 EU6709050 6LBMDDWGP**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P800060
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: LD6C70D010 EU6709050 6LBMDDWGPH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

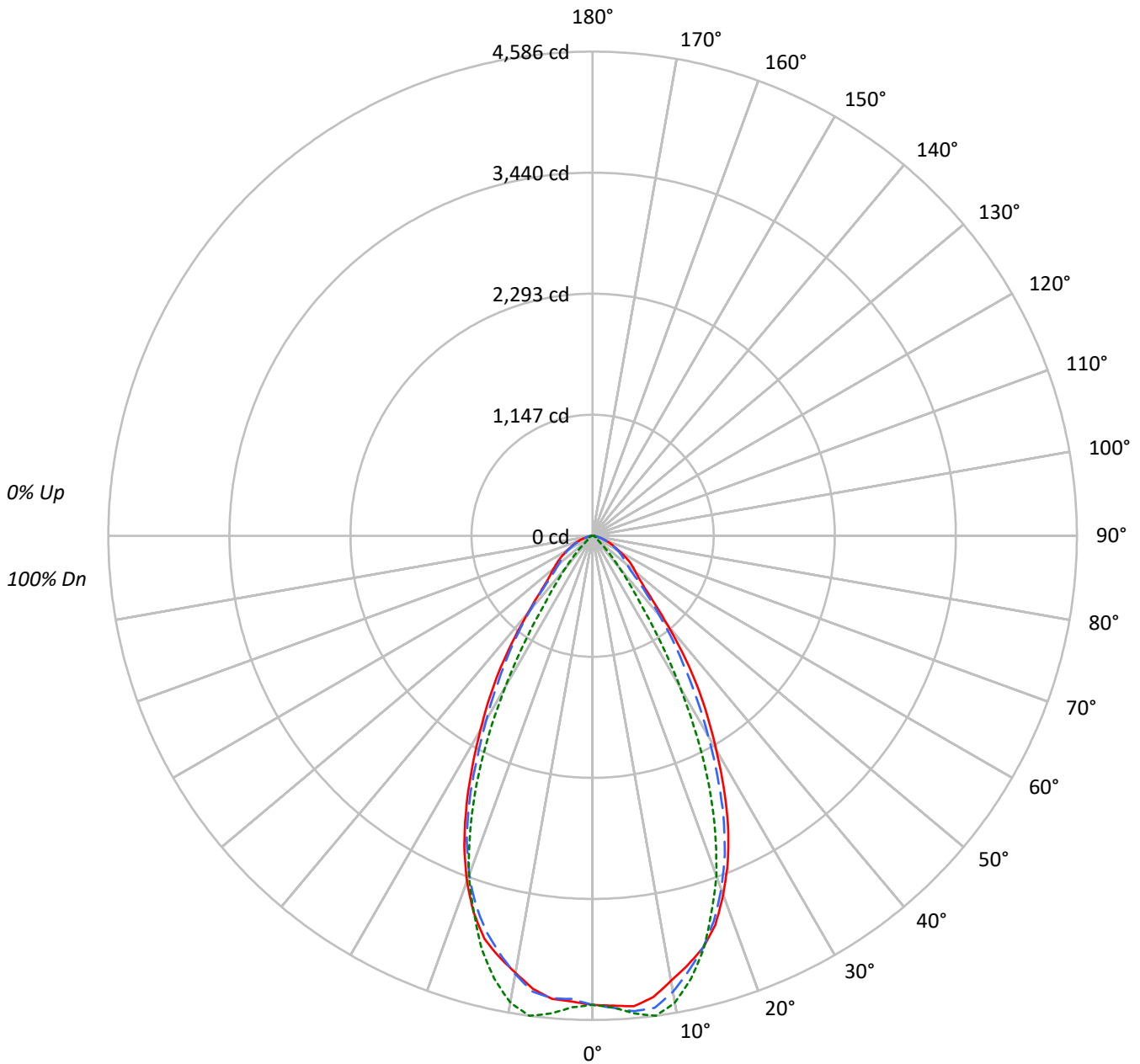
Lumens per Lamp: N/A
Luminaire Lumens: 4524.0 lumens
Efficiency: N/A
Efficacy: 58.0 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 78
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°	243610	243610	243610
5°	246153	249889	242301
10°	238183	249884	234030
15°	229241	230138	224366
20°	210981	199902	203070
25°	183615	157636	171034
30°	148086	104731	134350
35°	114813	54000	100893
40°	78776	27981	67934
45°	53975	14017	47664
50°	44920	5978	40869
55°	40400	5180	36510
60°	31971	4956	30480
65°	26384	4397	26099
70°	21382	3991	21382
75°	15801	4300	16754
80°	9281	3567	9976
85°	7108	4277	7108



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.0	9.4
10°-20°	1110.2	24.5
20°-30°	1267.3	28.0
30°-40°	840.4	18.6
40°-50°	405.3	9.0
50°-60°	249.4	5.5
60°-70°	150.9	3.3
70°-80°	63.5	1.4
80°-90°	14.0	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°	2800.5	61.9
0°-40°	3640.9	80.5
0°-60°	4295.6	95.0
0°-90°	4524.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4524.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4444	4444	4444	4444	4444	
5°	4473	4521	4541	4396	4403	420
15°	4039	4039	4055	3883	3953	1126
25°	3036	2934	2606	2758	2828	1376
35°	1716	1512	807	1410	1508	1061
45°	696	610	181	570	615	568
55°	423	344	54	344	382	372
65°	203	194	34	183	201	204
75°	75	75	20	70	79	80
85°	11	16	7	11	11	14
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°	4443.8	4443.8	4443.8	4443.8	4443.8	4443.8	4443.8	4443.8	4443.8
2.5°	4455.1	4461.8	4475.4	4477.7	4470.9	4427.9	4391.8	4405.3	4416.6
5°	4473.1	4486.7	4520.6	4552.3	4541.0	4468.6	4396.3	4394.0	4403.1
7.5°	4407.6	4439.2	4509.3	4588.4	4586.2	4461.8	4355.6	4328.5	4328.5
10°	4278.8	4308.1	4385.0	4491.2	4489.0	4333.0	4215.5	4201.9	4204.2
12.5°	4163.5	4177.0	4215.5	4299.1	4299.1	4145.4	4055.0	4068.6	4086.6
15°	4039.2	4048.2	4039.2	4066.3	4055.0	3928.4	3883.2	3926.2	3953.3
17.5°	3862.9	3867.4	3819.9	3783.8	3740.8	3661.7	3673.0	3736.3	3743.1
20°	3616.5	3645.9	3560.0	3467.3	3426.6	3352.0	3415.3	3485.4	3480.9
22.5°	3345.3	3379.2	3268.4	3114.7	3031.1	3001.7	3114.7	3178.0	3175.7
25°	3035.6	3060.5	2933.9	2719.1	2606.1	2601.6	2757.6	2823.1	2827.6
27.5°	2687.5	2696.5	2554.1	2273.9	2133.7	2167.6	2364.3	2454.7	2466.0
30°	2339.4	2334.9	2188.0	1839.9	1654.5	1747.2	2011.7	2111.1	2122.4
32.5°	2020.7	2007.2	1839.9	1424.0	1202.5	1340.4	1688.4	1792.4	1810.5
35°	1715.6	1693.0	1512.1	1053.3	806.9	1012.6	1410.4	1500.8	1507.6
37.5°	1396.9	1385.6	1243.2	788.8	562.8	768.5	1150.5	1216.0	1209.3
40°	1100.8	1100.8	983.2	585.4	391.0	571.9	910.9	969.7	949.3
42.5°	863.4	874.7	775.3	431.7	278.0	424.9	721.0	775.3	752.7
45°	696.2	696.2	610.3	321.0	180.8	316.4	569.6	619.3	614.8
47.5°	589.9	580.9	495.0	235.1	99.5	237.3	479.2	540.2	538.0
50°	526.7	513.1	424.9	185.3	70.1	196.6	420.4	476.9	479.2
52.5°	476.9	456.6	382.0	165.0	61.0	171.8	382.0	427.2	427.2
55°	422.7	411.4	343.6	146.9	54.2	153.7	343.6	384.3	382.0
57.5°	357.1	354.9	307.4	133.4	49.7	135.6	307.4	332.3	323.2
60°	291.6	300.6	266.7	119.8	45.2	122.1	262.2	282.5	278.0
62.5°	244.1	255.4	232.8	106.2	38.4	108.5	221.5	241.9	237.3
65°	203.4	212.5	194.4	90.4	33.9	90.4	183.1	201.2	201.2
67.5°	167.3	174.0	160.5	74.6	29.4	74.6	149.2	165.0	167.3
70°	133.4	137.9	126.6	58.8	24.9	61.0	117.5	133.4	133.4
72.5°	104.0	106.2	99.5	47.5	22.6	47.5	90.4	104.0	104.0
75°	74.6	79.1	74.6	36.2	20.3	36.2	70.1	76.9	79.1
77.5°	42.9	54.2	54.2	29.4	15.8	27.1	49.7	52.0	52.0
80°	29.4	33.9	38.4	20.3	11.3	20.3	31.6	33.9	31.6
82.5°	20.3	22.6	22.6	13.6	9.0	13.6	20.3	22.6	20.3
85°	11.3	15.8	15.8	11.3	6.8	9.0	11.3	13.6	11.3
87.5°	6.8	9.0	11.3	9.0	6.8	6.8	6.8	6.8	4.5
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)