

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: P800066

Luminaire Tested: **LD6C70D010 EU6709050 6LBMDSWGPH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P800066
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: LD6C70D010 EU6709050 6LBMDSWGPH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

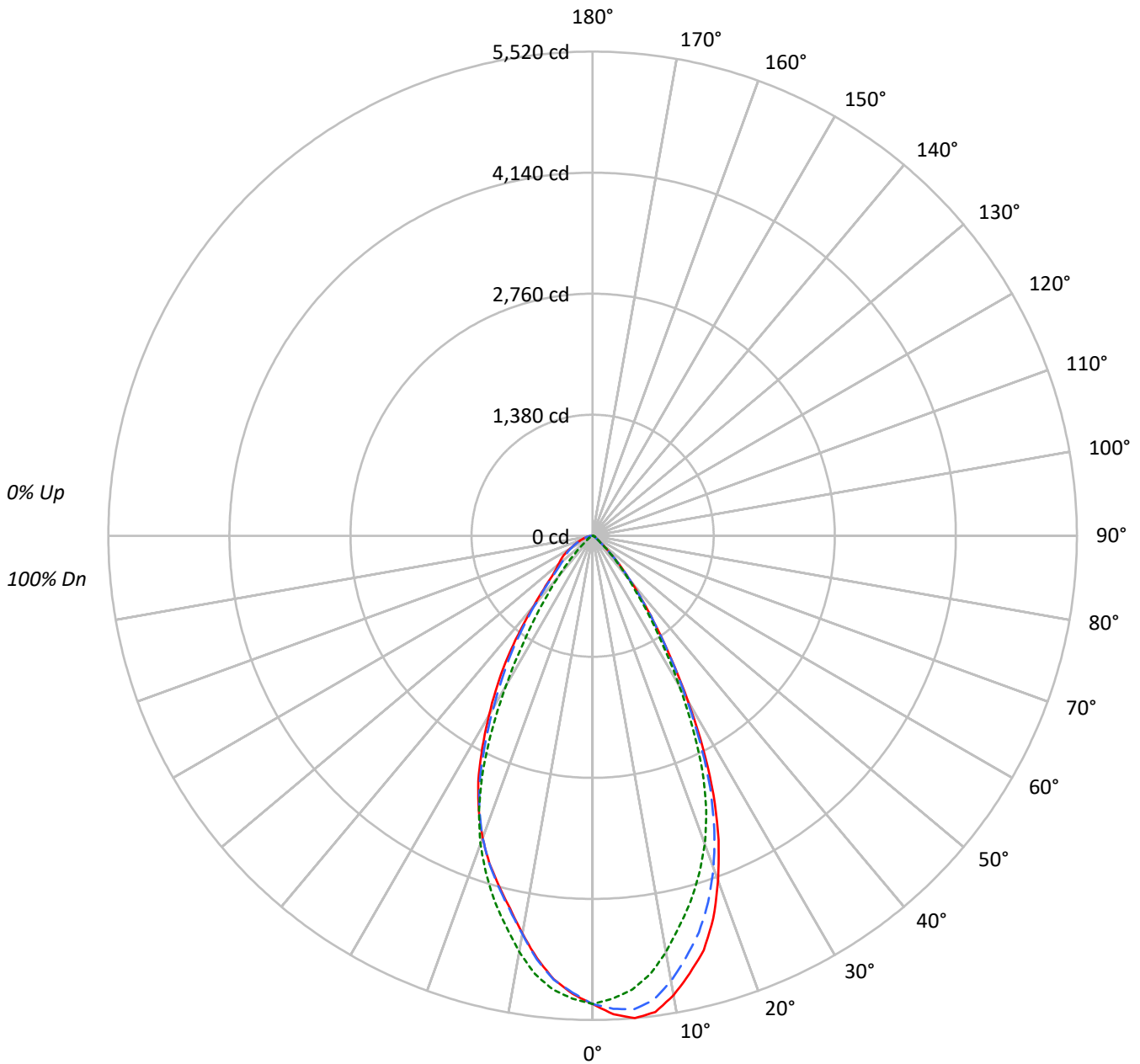
Lumens per Lamp: N/A
Luminaire Lumens: 4596.0 lumens
Efficiency: N/A
Efficacy: 58.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P800066

CATALOG NUMBER: LD6C70D010 EU6709050 6LBMDSWGPB

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	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°	292641	292641	292641
5°	303769	285774	279314
10°	296003	268053	256263
15°	277607	244933	234349
20°	243709	218051	213886
25°	197104	179139	186519
30°	137034	124785	149276
35°	84457	76446	112658
40°	47797	42852	74819
45°	23212	22142	51060
50°	8836	8836	43402
55°	4846	5725	40056
60°	3530	4550	32826
65°	2983	3878	26890
70°	2581	3318	22151
75°	2436	3410	19020
80°	1452	2904	13828
85°	1447	5787	13020



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.7	10.6
10°-20°	1228.3	26.7
20°-30°	1382.7	30.1
30°-40°	856.2	18.6
40°-50°	341.0	7.4
50°-60°	155.2	3.4
60°-70°	89.2	1.9
70°-80°	42.4	0.9
80°-90°	12.4	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°	3099.7	67.4
0°-40°	3955.9	86.1
0°-60°	4452.0	96.9
0°-90°	4596.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4596.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5338	5338	5338	5338	5338	
5°	5520	5419	5193	5080	5076	520
15°	4891	4680	4316	4141	4129	1353
25°	3259	3171	2962	3035	3084	1465
35°	1262	1255	1142	1591	1683	811
45°	299	299	286	622	659	254
55°	51	48	60	368	419	50
65°	23	21	30	205	207	22
75°	12	12	16	88	90	12
85°	2	2	9	21	21	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°	5338.2	5338.2	5338.2	5338.2	5338.2	5338.2	5338.2	5338.2	5338.2
2.5°	5460.3	5409.6	5398.1	5354.3	5280.6	5239.2	5213.8	5195.4	5227.7
5°	5520.1	5464.9	5418.8	5329.0	5193.1	5117.1	5080.3	5050.3	5075.7
7.5°	5476.4	5398.1	5335.9	5211.5	5038.8	4921.4	4870.7	4836.2	4859.2
10°	5317.5	5223.0	5151.7	5004.3	4815.4	4675.0	4612.8	4580.5	4603.6
12.5°	5110.2	5031.9	4923.7	4762.5	4559.8	4412.4	4366.4	4341.0	4350.2
15°	4891.4	4799.3	4679.6	4518.4	4315.7	4168.3	4140.7	4124.6	4129.2
17.5°	4573.6	4483.8	4380.2	4223.6	4037.0	3917.3	3917.3	3905.8	3912.7
20°	4177.5	4129.2	4027.8	3896.6	3737.7	3629.4	3664.0	3652.4	3666.3
22.5°	3749.2	3712.3	3624.8	3516.6	3383.0	3297.8	3373.8	3371.5	3389.9
25°	3258.6	3231.0	3171.1	3079.0	2961.6	2908.6	3035.3	3035.3	3083.6
27.5°	2717.5	2689.8	2648.4	2570.1	2473.3	2457.2	2643.8	2666.8	2719.8
30°	2164.8	2146.3	2123.3	2051.9	1971.3	2001.2	2259.2	2298.3	2358.2
32.5°	1671.9	1660.4	1653.5	1589.0	1517.6	1616.7	1911.4	1962.1	2022.0
35°	1262.0	1236.7	1255.1	1206.7	1142.3	1266.6	1591.3	1635.1	1683.4
37.5°	930.4	912.0	928.1	893.5	836.0	971.8	1278.1	1305.8	1338.0
40°	667.9	651.7	665.5	644.8	598.8	725.4	1001.8	1031.7	1045.5
42.5°	474.4	446.8	460.6	444.5	421.4	545.8	787.6	815.2	819.8
45°	299.4	290.2	299.4	290.2	285.6	405.3	621.8	647.1	658.6
47.5°	181.9	170.4	170.4	165.8	170.4	299.4	513.6	550.4	568.8
50°	103.6	99.0	96.7	94.4	103.6	234.9	444.5	485.9	508.9
52.5°	69.1	66.8	66.8	64.5	76.0	198.1	400.7	437.6	460.6
55°	50.7	48.4	48.4	48.4	59.9	170.4	368.5	398.4	419.1
57.5°	39.1	39.1	39.1	36.8	50.7	145.1	329.3	345.4	361.6
60°	32.2	29.9	29.9	29.9	41.5	124.4	283.3	290.2	299.4
62.5°	25.3	25.3	25.3	25.3	34.5	110.5	244.1	244.1	248.7
65°	23.0	20.7	20.7	20.7	29.9	96.7	205.0	202.7	207.3
67.5°	18.4	18.4	18.4	18.4	25.3	82.9	168.1	165.8	170.4
70°	16.1	16.1	16.1	16.1	20.7	69.1	135.9	133.6	138.2
72.5°	13.8	13.8	13.8	13.8	18.4	57.6	108.2	108.2	110.5
75°	11.5	11.5	11.5	11.5	16.1	43.8	87.5	87.5	89.8
77.5°	9.2	9.2	9.2	9.2	11.5	34.5	66.8	64.5	64.5
80°	4.6	6.9	6.9	6.9	9.2	25.3	48.4	43.8	43.8
82.5°	2.3	4.6	4.6	4.6	9.2	18.4	32.2	29.9	29.9
85°	2.3	2.3	2.3	6.9	9.2	13.8	20.7	20.7	20.7
87.5°	0.0	2.3	4.6	9.2	11.5	11.5	13.8	11.5	11.5
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)