

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: P800028

Luminaire Tested: **LD6C70D010 EU6709030 6LBMDDWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P800028
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 EU6709030 6LBMDDWWH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

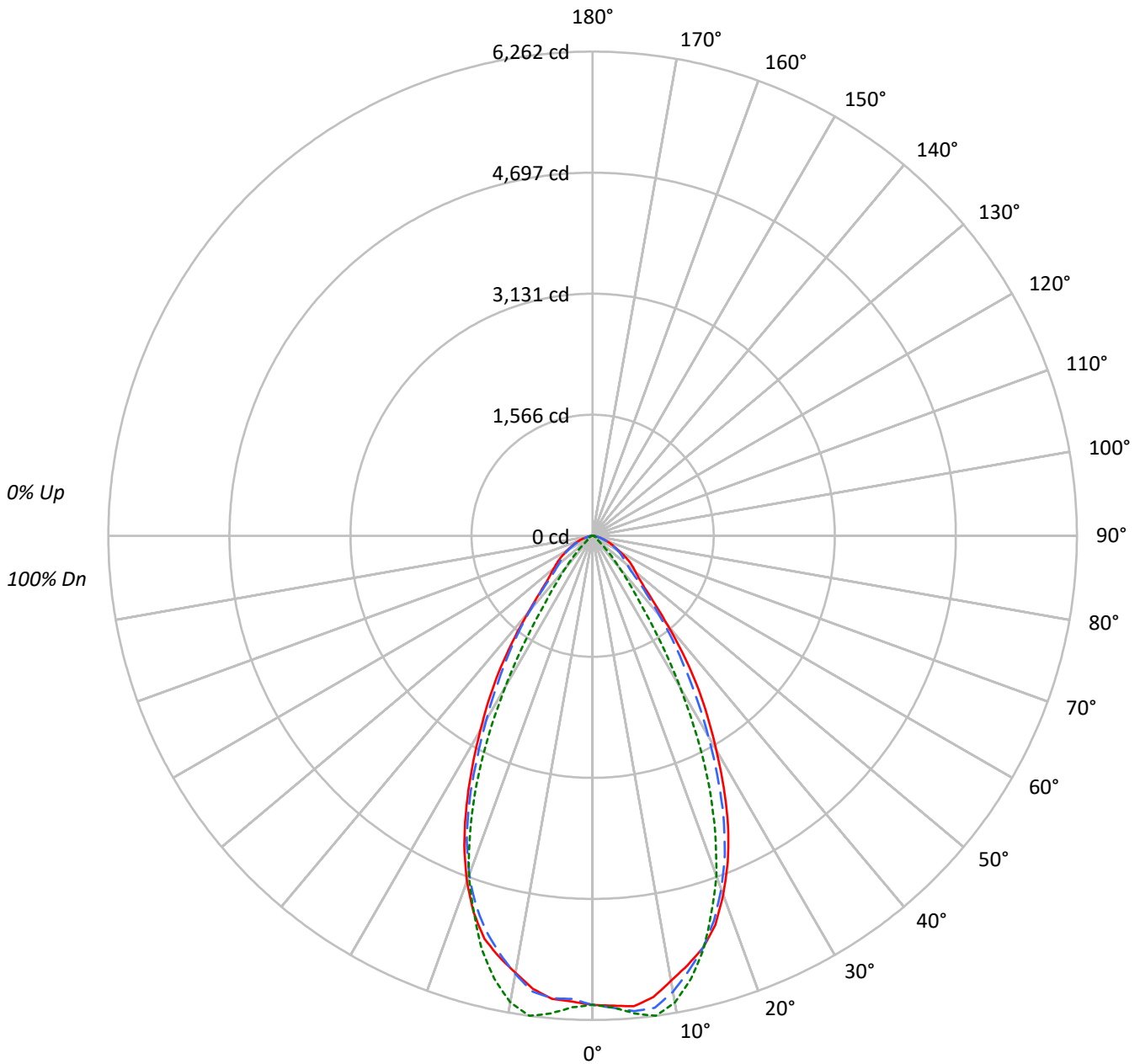
Lumens per Lamp: N/A
Luminaire Lumens: 6177.0 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
RC	80									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																			
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91																			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70																			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64																			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59																			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55																			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51																			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48																			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	332616	332616	332616
5°	336099	341194	330832
10°	325211	341187	319539
15°	312998	314224	306341
20°	288069	272948	277265
25°	250702	215238	233530
30°	202196	143003	183440
35°	156761	73736	137761
40°	107559	38207	92760
45°	73690	19142	65077
50°	61328	8162	55802
55°	55157	7082	49852
60°	43648	6765	41619
65°	36035	6006	35633
70°	29188	5434	29188
75°	21562	5888	22875
80°	12659	4862	13638
85°	9686	5850	9686



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	577.6	9.4
10°-20°	1515.9	24.5
20°-30°	1730.3	28.0
30°-40°	1147.5	18.6
40°-50°	553.5	9.0
50°-60°	340.5	5.5
60°-70°	206.0	3.3
70°-80°	86.7	1.4
80°-90°	19.1	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°	3823.8	61.9
0°-40°	4971.3	80.5
0°-60°	5865.2	95.0
0°-90°	6177.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6177.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6067	6067	6067	6067	6067	
5°	6108	6172	6200	6003	6012	574
15°	5515	5515	5537	5302	5398	1537
25°	4145	4006	3558	3765	3861	1879
35°	2342	2065	1102	1926	2058	1449
45°	950	833	247	778	839	775
55°	577	469	74	469	522	507
65°	278	265	46	250	275	279
75°	102	102	28	96	108	109
85°	15	22	9	15	15	20
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°	6067.4	6067.4	6067.4	6067.4	6067.4	6067.4	6067.4	6067.4	6067.4
2.5°	6082.9	6092.1	6110.7	6113.7	6104.5	6045.8	5996.5	6015.0	6030.4
5°	6107.6	6126.1	6172.4	6215.6	6200.2	6101.4	6002.6	5999.5	6011.9
7.5°	6018.1	6061.3	6156.9	6265.0	6261.9	6092.1	5947.1	5910.0	5910.0
10°	5842.2	5882.3	5987.2	6132.3	6129.2	5916.2	5755.7	5737.2	5740.3
12.5°	5684.8	5703.3	5755.7	5869.9	5869.9	5660.1	5536.6	5555.1	5579.8
15°	5515.0	5527.4	5515.0	5552.1	5536.6	5363.8	5302.1	5360.7	5397.7
17.5°	5274.3	5280.5	5215.7	5166.3	5107.6	4999.6	5015.1	5101.5	5110.7
20°	4937.9	4978.0	4860.7	4734.2	4678.7	4576.8	4663.2	4758.9	4752.7
22.5°	4567.6	4613.9	4462.6	4252.8	4138.6	4098.5	4252.8	4339.2	4336.1
25°	4144.7	4178.7	4005.9	3712.7	3558.4	3552.2	3765.1	3854.6	3860.8
27.5°	3669.5	3681.8	3487.4	3104.7	2913.4	2959.7	3228.2	3351.6	3367.0
30°	3194.2	3188.0	2987.4	2512.2	2259.1	2385.6	2746.7	2882.5	2897.9
32.5°	2759.1	2740.5	2512.2	1944.3	1641.9	1830.1	2305.4	2447.3	2472.0
35°	2342.4	2311.6	2064.7	1438.2	1101.8	1382.6	1925.8	2049.2	2058.5
37.5°	1907.3	1891.8	1697.4	1077.1	768.5	1049.3	1570.9	1660.4	1651.1
40°	1503.0	1503.0	1342.5	799.3	533.9	780.8	1243.7	1324.0	1296.2
42.5°	1178.9	1194.4	1058.6	589.5	379.6	580.2	984.5	1058.6	1027.7
45°	950.5	950.5	833.3	438.2	246.9	432.1	777.7	845.6	839.4
47.5°	805.5	793.2	675.9	321.0	135.8	324.0	654.3	737.6	734.5
50°	719.1	700.6	580.2	253.1	95.7	268.5	574.0	651.2	654.3
52.5°	651.2	623.4	521.6	225.3	83.3	234.6	521.6	583.3	583.3
55°	577.1	561.7	469.1	200.6	74.1	209.9	469.1	524.7	521.6
57.5°	487.6	484.5	419.7	182.1	67.9	185.2	419.7	453.7	441.3
60°	398.1	410.5	364.2	163.6	61.7	166.7	358.0	385.8	379.6
62.5°	333.3	348.7	317.9	145.1	52.5	148.1	302.4	330.2	324.0
65°	277.8	290.1	265.4	123.4	46.3	123.4	250.0	274.7	274.7
67.5°	228.4	237.6	219.1	101.8	40.1	101.8	203.7	225.3	228.4
70°	182.1	188.3	172.8	80.2	33.9	83.3	160.5	182.1	182.1
72.5°	142.0	145.1	135.8	64.8	30.9	64.8	123.4	142.0	142.0
75°	101.8	108.0	101.8	49.4	27.8	49.4	95.7	104.9	108.0
77.5°	58.6	74.1	74.1	40.1	21.6	37.0	67.9	71.0	71.0
80°	40.1	46.3	52.5	27.8	15.4	27.8	43.2	46.3	43.2
82.5°	27.8	30.9	30.9	18.5	12.3	18.5	27.8	30.9	27.8
85°	15.4	21.6	21.6	15.4	9.3	12.3	15.4	18.5	15.4
87.5°	9.3	12.3	15.4	12.3	9.3	9.3	9.3	9.3	6.2
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)