

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: P799342

Luminaire Tested: **LD6C10D010 EU6109050 6LBMDDWLI**

Issue Date: 4/12/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P799342
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: LD6C10D010 EU6109050 6LBMDDWLI
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

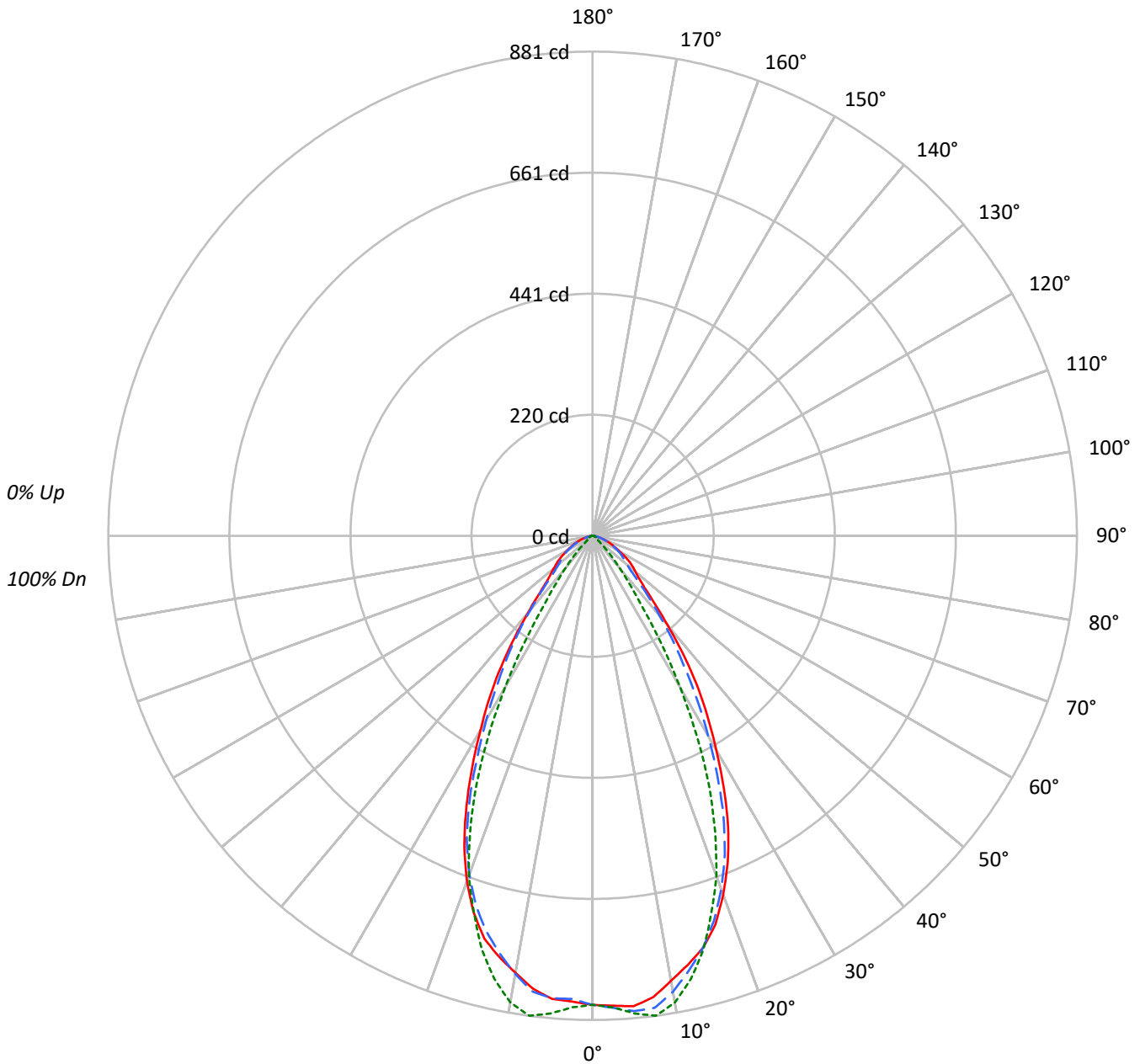
Lumens per Lamp: N/A
Luminaire Lumens: 869.0 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
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: P799342

CATALOG NUMBER: LD6C10D010 EU6109050 6LBMDDWLI

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°	46794	46794	46794
5°	47281	48002	46544
10°	45752	48001	44956
15°	44035	44206	43099
20°	40528	38398	39005
25°	35270	30280	32857
30°	28447	20117	25808
35°	22051	10373	19381
40°	15128	5374	13053
45°	10365	2690	9156
50°	8631	1151	7846
55°	7761	994	7015
60°	6140	954	5855
65°	5072	843	5007
70°	4103	769	4103
75°	3029	826	3219
80°	1768	695	1926
85°	1384	818	1384



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.3	9.4
10°-20°	213.3	24.5
20°-30°	243.4	28.0
30°-40°	161.4	18.6
40°-50°	77.9	9.0
50°-60°	47.9	5.5
60°-70°	29.0	3.3
70°-80°	12.2	1.4
80°-90°	2.7	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°	537.9	61.9
0°-40°	699.4	80.5
0°-60°	825.1	95.0
0°-90°	869.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	869.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	854	854	854	854	854	
5°	859	868	872	844	846	81
15°	776	776	779	746	759	216
25°	583	564	501	530	543	264
35°	330	290	155	271	290	204
45°	134	117	35	109	118	109
55°	81	66	10	66	73	71
65°	39	37	6	35	39	39
75°	14	14	4	14	15	15
85°	2	3	1	2	2	3
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°	853.6	853.6	853.6	853.6	853.6	853.6	853.6	853.6	853.6
2.5°	855.8	857.1	859.7	860.1	858.8	850.5	843.6	846.2	848.4
5°	859.2	861.8	868.3	874.4	872.3	858.4	844.5	844.0	845.8
7.5°	846.6	852.7	866.2	881.4	880.9	857.1	836.7	831.4	831.4
10°	821.9	827.5	842.3	862.7	862.3	832.3	809.7	807.1	807.6
12.5°	799.7	802.4	809.7	825.8	825.8	796.3	778.9	781.5	785.0
15°	775.9	777.6	775.9	781.1	778.9	754.6	745.9	754.2	759.4
17.5°	742.0	742.9	733.8	726.8	718.6	703.4	705.5	717.7	719.0
20°	694.7	700.3	683.8	666.0	658.2	643.9	656.0	669.5	668.6
22.5°	642.6	649.1	627.8	598.3	582.2	576.6	598.3	610.4	610.0
25°	583.1	587.9	563.6	522.3	500.6	499.7	529.7	542.3	543.2
27.5°	516.2	518.0	490.6	436.8	409.9	416.4	454.1	471.5	473.7
30°	449.4	448.5	420.3	353.4	317.8	335.6	386.4	405.5	407.7
32.5°	388.2	385.5	353.4	273.5	231.0	257.5	324.3	344.3	347.8
35°	329.5	325.2	290.5	202.3	155.0	194.5	270.9	288.3	289.6
37.5°	268.3	266.1	238.8	151.5	108.1	147.6	221.0	233.6	232.3
40°	211.4	211.4	188.9	112.5	75.1	109.8	175.0	186.3	182.4
42.5°	165.9	168.0	148.9	82.9	53.4	81.6	138.5	148.9	144.6
45°	133.7	133.7	117.2	61.7	34.7	60.8	109.4	119.0	118.1
47.5°	113.3	111.6	95.1	45.2	19.1	45.6	92.0	103.8	103.3
50°	101.2	98.6	81.6	35.6	13.5	37.8	80.8	91.6	92.0
52.5°	91.6	87.7	73.4	31.7	11.7	33.0	73.4	82.1	82.1
55°	81.2	79.0	66.0	28.2	10.4	29.5	66.0	73.8	73.4
57.5°	68.6	68.2	59.0	25.6	9.6	26.1	59.0	63.8	62.1
60°	56.0	57.7	51.2	23.0	8.7	23.4	50.4	54.3	53.4
62.5°	46.9	49.1	44.7	20.4	7.4	20.8	42.5	46.5	45.6
65°	39.1	40.8	37.3	17.4	6.5	17.4	35.2	38.6	38.6
67.5°	32.1	33.4	30.8	14.3	5.6	14.3	28.7	31.7	32.1
70°	25.6	26.5	24.3	11.3	4.8	11.7	22.6	25.6	25.6
72.5°	20.0	20.4	19.1	9.1	4.3	9.1	17.4	20.0	20.0
75°	14.3	15.2	14.3	6.9	3.9	6.9	13.5	14.8	15.2
77.5°	8.2	10.4	10.4	5.6	3.0	5.2	9.6	10.0	10.0
80°	5.6	6.5	7.4	3.9	2.2	3.9	6.1	6.5	6.1
82.5°	3.9	4.3	4.3	2.6	1.7	2.6	3.9	4.3	3.9
85°	2.2	3.0	3.0	2.2	1.3	1.7	2.2	2.6	2.2
87.5°	1.3	1.7	2.2	1.7	1.3	1.3	1.3	1.3	0.9
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)