

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: P799314

Luminaire Tested: **LD6C10D010 EU6109030 6LBMDSWWH**

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: P799314
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: LD6C10D010 EU6109030 6LBMDSWWH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

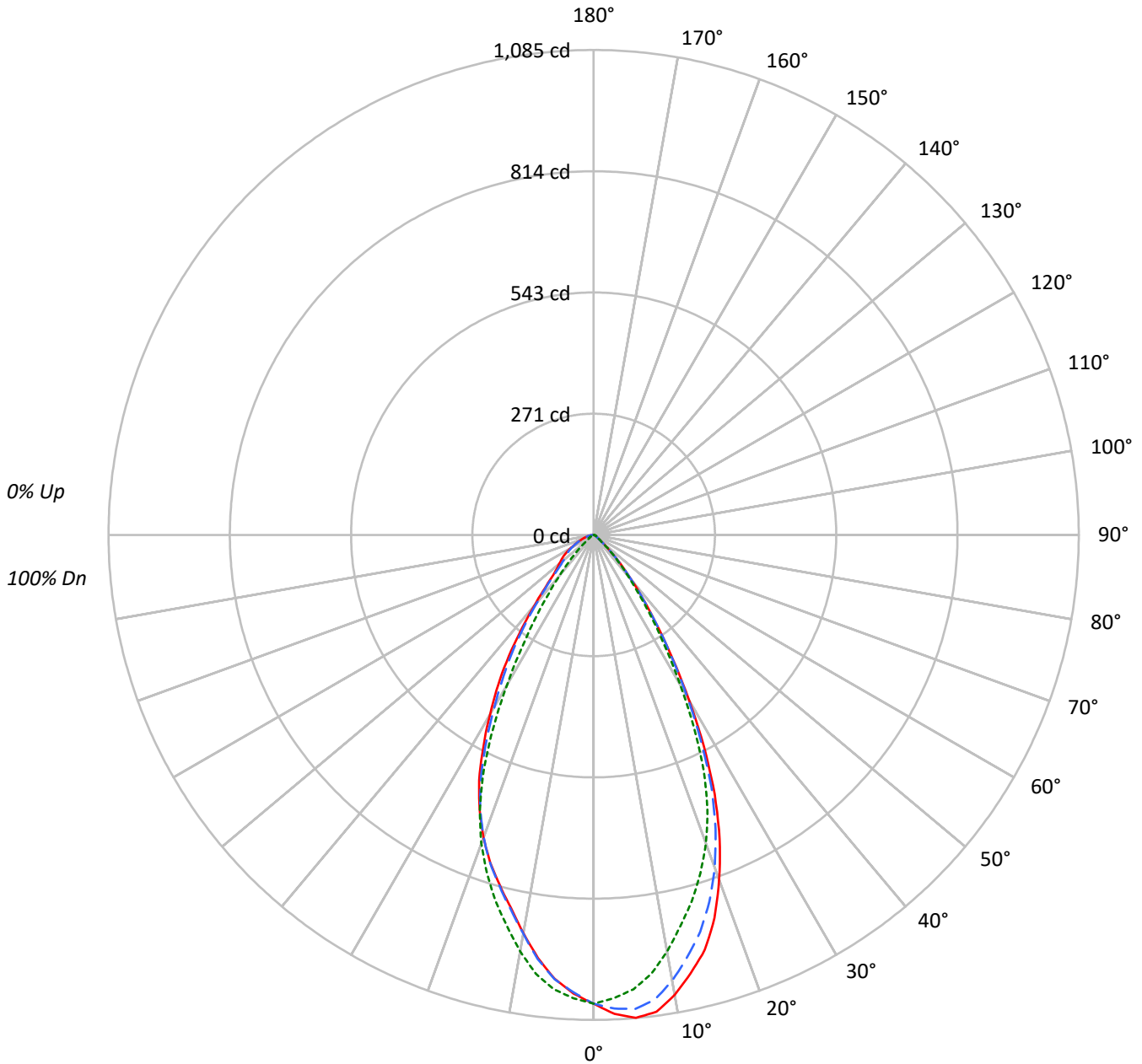
Lumens per Lamp: N/A
Luminaire Lumens: 903.0 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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				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	57	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°	57495	57495	57495
5°	59685	56147	54875
10°	58160	52665	50350
15°	54541	48122	46045
20°	47884	42844	42021
25°	38724	35198	36649
30°	26922	24516	29327
35°	16597	15018	22138
40°	9389	8416	14699
45°	4559	4349	10032
50°	1740	1740	8529
55°	956	1128	7866
60°	691	888	6447
65°	584	765	5279
70°	513	657	4344
75°	487	678	3728
80°	284	568	2715
85°	314	1132	2579



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.0	10.6
10°-20°	241.3	26.7
20°-30°	271.7	30.1
30°-40°	168.2	18.6
40°-50°	67.0	7.4
50°-60°	30.5	3.4
60°-70°	17.5	1.9
70°-80°	8.3	0.9
80°-90°	2.4	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°	609.0	67.4
0°-40°	777.2	86.1
0°-60°	874.7	96.9
0°-90°	903.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	903.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1049	1049	1049	1049	1049	
5°	1085	1065	1020	998	997	102
15°	961	919	848	814	811	266
25°	640	623	582	596	606	288
35°	248	247	224	313	331	159
45°	59	59	56	122	129	50
55°	10	10	12	72	82	10
65°	4	4	6	40	41	4
75°	2	2	3	17	18	2
85°	0	0	2	4	4	0
90°	0	0	0	0	0	



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CATALOG NUMBER: LD6C10D010 EU6109030 6LBMSWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1048.8	1048.8	1048.8	1048.8	1048.8	1048.8	1048.8	1048.8	1048.8
2.5°	1072.8	1062.8	1060.6	1052.0	1037.5	1029.4	1024.4	1020.8	1027.1
5°	1084.6	1073.7	1064.7	1047.0	1020.3	1005.4	998.1	992.3	997.2
7.5°	1076.0	1060.6	1048.4	1023.9	990.0	966.9	957.0	950.2	954.7
10°	1044.8	1026.2	1012.2	983.2	946.1	918.5	906.3	900.0	904.5
12.5°	1004.0	988.6	967.4	935.7	895.9	866.9	857.9	852.9	854.7
15°	961.0	942.9	919.4	887.7	847.9	819.0	813.5	810.4	811.3
17.5°	898.6	881.0	860.6	829.8	793.2	769.6	769.6	767.4	768.7
20°	820.8	811.3	791.4	765.6	734.4	713.1	719.9	717.6	720.3
22.5°	736.6	729.4	712.2	690.9	664.7	647.9	662.9	662.4	666.0
25°	640.2	634.8	623.0	605.0	581.9	571.5	596.4	596.4	605.9
27.5°	533.9	528.5	520.3	505.0	486.0	482.8	519.4	524.0	534.4
30°	425.3	421.7	417.2	403.1	387.3	393.2	443.9	451.6	463.3
32.5°	328.5	326.2	324.9	312.2	298.2	317.6	375.5	385.5	397.3
35°	248.0	243.0	246.6	237.1	224.4	248.9	312.7	321.3	330.8
37.5°	182.8	179.2	182.3	175.6	164.2	190.9	251.1	256.5	262.9
40°	131.2	128.0	130.8	126.7	117.6	142.5	196.8	202.7	205.4
42.5°	93.2	87.8	90.5	87.3	82.8	107.2	154.7	160.2	161.1
45°	58.8	57.0	58.8	57.0	56.1	79.6	122.2	127.1	129.4
47.5°	35.7	33.5	33.5	32.6	33.5	58.8	100.9	108.1	111.8
50°	20.4	19.5	19.0	18.6	20.4	46.2	87.3	95.5	100.0
52.5°	13.6	13.1	13.1	12.7	14.9	38.9	78.7	86.0	90.5
55°	10.0	9.5	9.5	9.5	11.8	33.5	72.4	78.3	82.3
57.5°	7.7	7.7	7.7	7.2	10.0	28.5	64.7	67.9	71.0
60°	6.3	5.9	5.9	5.9	8.1	24.4	55.7	57.0	58.8
62.5°	5.0	5.0	5.0	5.0	6.8	21.7	48.0	48.0	48.9
65°	4.5	4.1	4.1	4.1	5.9	19.0	40.3	39.8	40.7
67.5°	3.6	3.6	3.6	3.6	5.0	16.3	33.0	32.6	33.5
70°	3.2	3.2	3.2	3.2	4.1	13.6	26.7	26.2	27.1
72.5°	2.7	2.7	2.7	2.7	3.6	11.3	21.3	21.3	21.7
75°	2.3	2.3	2.3	2.3	3.2	8.6	17.2	17.2	17.6
77.5°	1.8	1.8	1.8	1.8	2.3	6.8	13.1	12.7	12.7
80°	0.9	1.4	1.4	1.4	1.8	5.0	9.5	8.6	8.6
82.5°	0.5	0.9	0.9	0.9	1.8	3.6	6.3	5.9	5.9
85°	0.5	0.5	0.5	1.4	1.8	2.7	4.1	4.1	4.1
87.5°	0.0	0.5	0.9	1.8	2.3	2.3	2.7	2.3	2.3
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)