

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: P799286

Luminaire Tested: **LD6C08D010 EU6089050 6LBMDSWGPH**

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: P799286
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: LD6C08D010 EU6089050 6LBMDSWGPH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

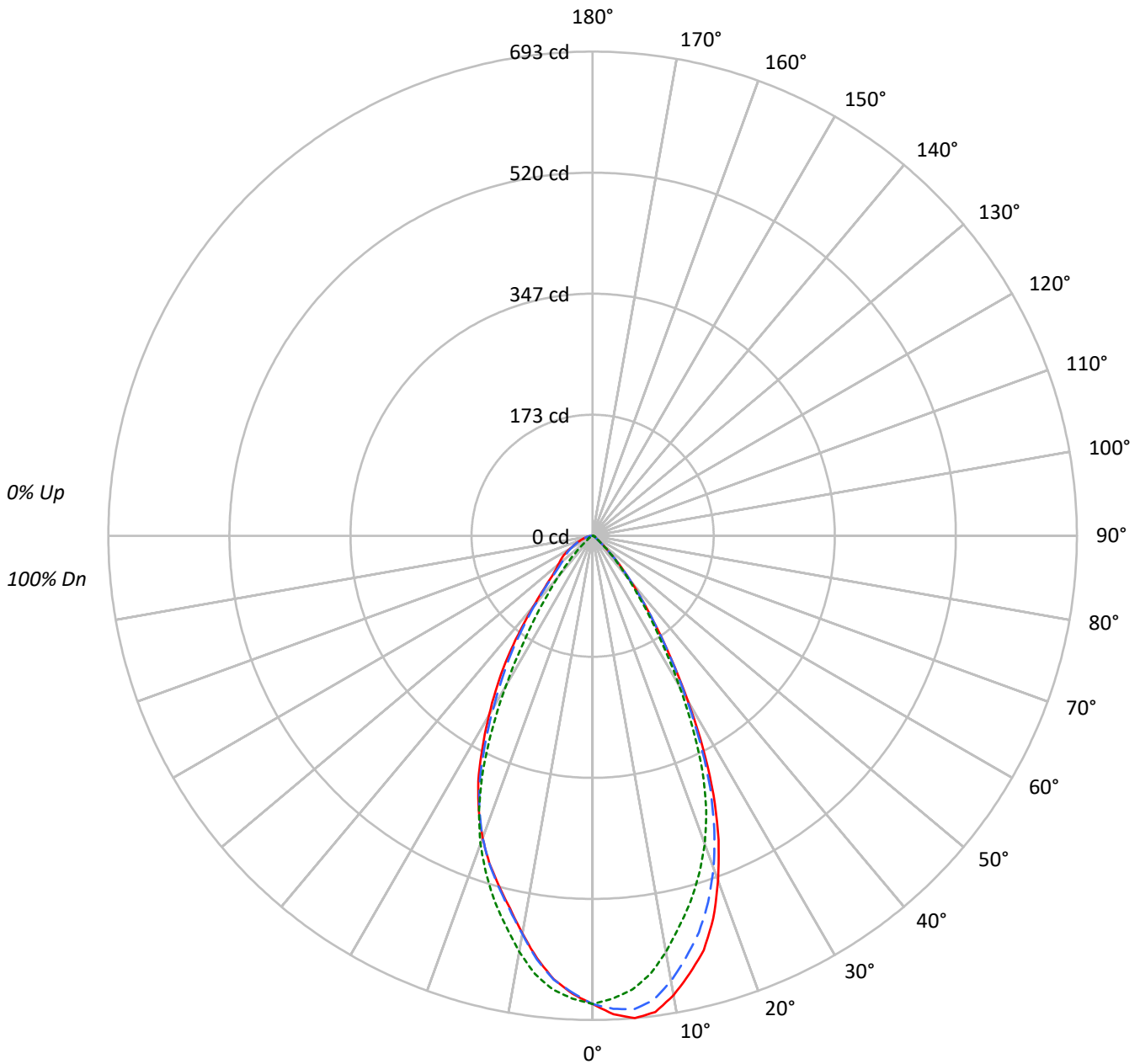
Lumens per Lamp: N/A
Luminaire Lumens: 577.0 lumens
Efficiency: N/A
Efficacy: 58.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): 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	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°	36740	36740	36740
5°	38135	35879	35065
10°	37163	33650	32169
15°	34853	30749	29421
20°	30598	27372	26853
25°	24745	22489	23415
30°	17205	15667	18743
35°	10601	9597	14141
40°	5997	5382	9396
45°	2915	2783	6412
50°	1109	1109	5450
55°	612	717	5027
60°	439	570	4122
65°	376	493	3373
70°	321	417	2773
75°	297	424	2393
80°	189	379	1736
85°	189	755	1635



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.4	10.6
10°-20°	154.2	26.7
20°-30°	173.6	30.1
30°-40°	107.5	18.6
40°-50°	42.8	7.4
50°-60°	19.5	3.4
60°-70°	11.2	1.9
70°-80°	5.3	0.9
80°-90°	1.6	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°	389.1	67.4
0°-40°	496.6	86.1
0°-60°	558.9	96.9
0°-90°	577.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	577.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	670	670	670	670	670	
5°	693	680	652	638	637	65
15°	614	588	542	520	518	170
25°	409	398	372	381	387	184
35°	158	158	143	200	211	102
45°	38	38	36	78	83	32
55°	6	6	8	46	53	6
65°	3	3	4	26	26	3
75°	1	1	2	11	11	1
85°	0	0	1	3	3	0
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°	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2
2.5°	685.5	679.1	677.7	672.2	663.0	657.7	654.6	652.3	656.3
5°	693.0	686.1	680.3	669.0	652.0	642.4	637.8	634.0	637.2
7.5°	687.5	677.7	669.9	654.3	632.6	617.8	611.5	607.2	610.0
10°	667.6	655.7	646.8	628.3	604.5	586.9	579.1	575.1	577.9
12.5°	641.6	631.7	618.1	597.9	572.5	554.0	548.2	545.0	546.1
15°	614.1	602.5	587.5	567.3	541.8	523.3	519.8	517.8	518.4
17.5°	574.2	562.9	549.9	530.2	506.8	491.8	491.8	490.3	491.2
20°	524.5	518.4	505.7	489.2	469.2	455.7	460.0	458.5	460.3
22.5°	470.7	466.1	455.1	441.5	424.7	414.0	423.6	423.3	425.6
25°	409.1	405.6	398.1	386.6	371.8	365.2	381.1	381.1	387.1
27.5°	341.2	337.7	332.5	322.7	310.5	308.5	331.9	334.8	341.4
30°	271.8	269.5	266.6	257.6	247.5	251.2	283.6	288.5	296.1
32.5°	209.9	208.5	207.6	199.5	190.5	203.0	240.0	246.3	253.8
35°	158.4	155.3	157.6	151.5	143.4	159.0	199.8	205.3	211.3
37.5°	116.8	114.5	116.5	112.2	105.0	122.0	160.5	163.9	168.0
40°	83.8	81.8	83.6	81.0	75.2	91.1	125.8	129.5	131.3
42.5°	59.6	56.1	57.8	55.8	52.9	68.5	98.9	102.3	102.9
45°	37.6	36.4	37.6	36.4	35.9	50.9	78.1	81.2	82.7
47.5°	22.8	21.4	21.4	20.8	21.4	37.6	64.5	69.1	71.4
50°	13.0	12.4	12.1	11.9	13.0	29.5	55.8	61.0	63.9
52.5°	8.7	8.4	8.4	8.1	9.5	24.9	50.3	54.9	57.8
55°	6.4	6.1	6.1	6.1	7.5	21.4	46.3	50.0	52.6
57.5°	4.9	4.9	4.9	4.6	6.4	18.2	41.3	43.4	45.4
60°	4.0	3.8	3.8	3.8	5.2	15.6	35.6	36.4	37.6
62.5°	3.2	3.2	3.2	3.2	4.3	13.9	30.6	30.6	31.2
65°	2.9	2.6	2.6	2.6	3.8	12.1	25.7	25.4	26.0
67.5°	2.3	2.3	2.3	2.3	3.2	10.4	21.1	20.8	21.4
70°	2.0	2.0	2.0	2.0	2.6	8.7	17.1	16.8	17.3
72.5°	1.7	1.7	1.7	1.7	2.3	7.2	13.6	13.6	13.9
75°	1.4	1.4	1.4	1.4	2.0	5.5	11.0	11.0	11.3
77.5°	1.2	1.2	1.2	1.2	1.4	4.3	8.4	8.1	8.1
80°	0.6	0.9	0.9	0.9	1.2	3.2	6.1	5.5	5.5
82.5°	0.3	0.6	0.6	0.6	1.2	2.3	4.0	3.8	3.8
85°	0.3	0.3	0.3	0.9	1.2	1.7	2.6	2.6	2.6
87.5°	0.0	0.3	0.6	1.2	1.4	1.4	1.7	1.4	1.4
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)