

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: P799274

Luminaire Tested: **LD6C08D010 EU6089040 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: P799274
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 EU6089040 6LBMDSWGPH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

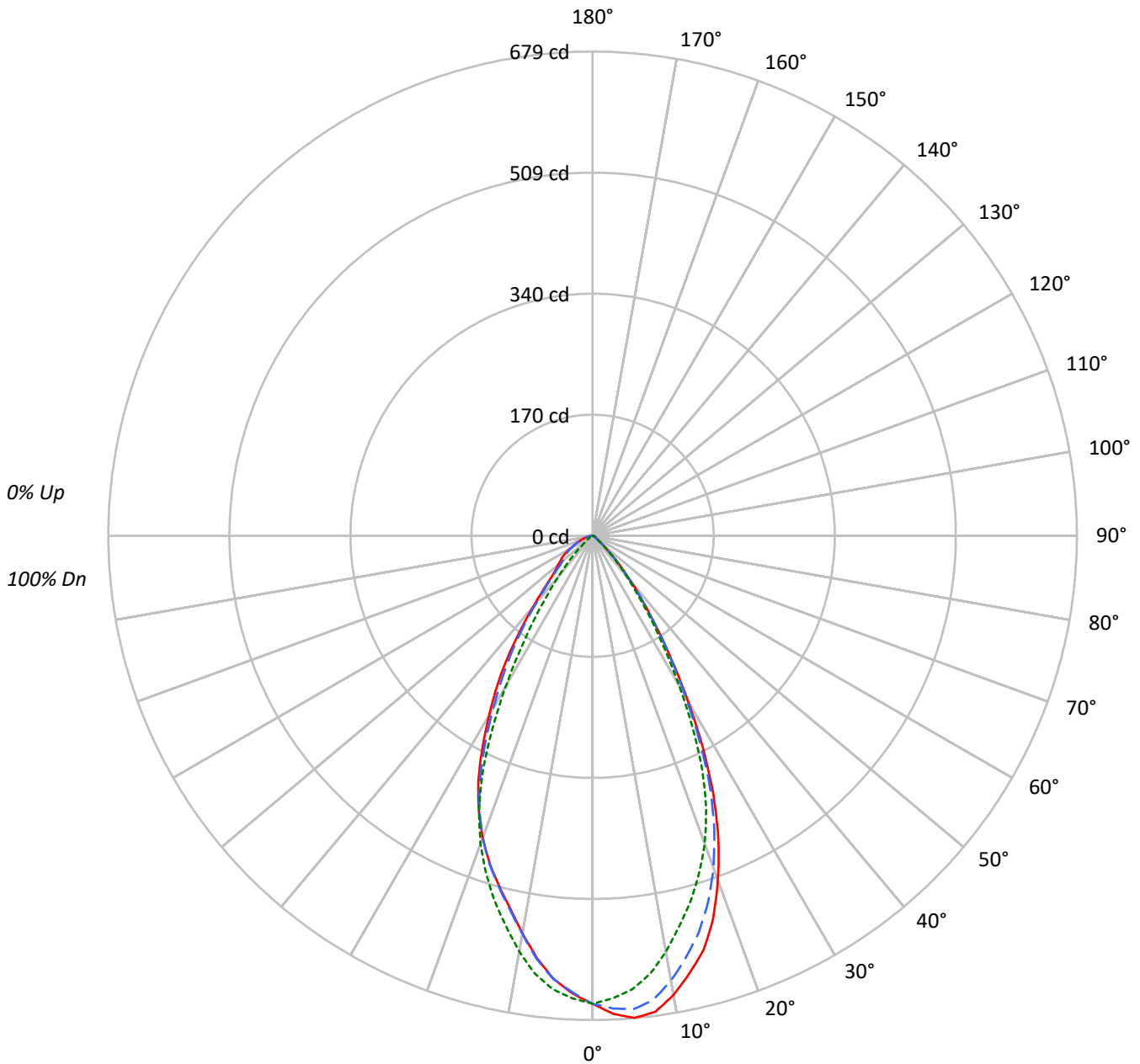
Lumens per Lamp: N/A
Luminaire Lumens: 565.0 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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°	35973	35973	35973
5°	37343	35131	34338
10°	36389	32954	31501
15°	34126	30108	28808
20°	29963	26806	26293
25°	24231	22023	22931
30°	16844	15338	18351
35°	10380	9396	13853
40°	5875	5267	9196
45°	2853	2721	6280
50°	1083	1083	5339
55°	593	707	4922
60°	439	559	4035
65°	363	480	3308
70°	321	401	2725
75°	297	424	2330
80°	189	347	1705
85°	189	692	1572



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	10.6
10°-20°	151.0	26.7
20°-30°	170.0	30.1
30°-40°	105.2	18.6
40°-50°	41.9	7.4
50°-60°	19.1	3.4
60°-70°	11.0	1.9
70°-80°	5.2	0.9
80°-90°	1.5	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°	381.1	67.4
0°-40°	486.3	86.1
0°-60°	547.3	96.9
0°-90°	565.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	565.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	656	656	656	656	656	
5°	679	666	638	624	624	64
15°	601	575	530	509	508	166
25°	401	390	364	373	379	180
35°	155	154	140	196	207	100
45°	37	37	35	76	81	31
55°	6	6	7	45	52	6
65°	3	2	4	25	26	3
75°	1	1	2	11	11	1
85°	0	0	1	2	2	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°	656.2	656.2	656.2	656.2	656.2	656.2	656.2	656.2	656.2
2.5°	671.2	665.0	663.6	658.2	649.2	644.1	641.0	638.7	642.7
5°	678.6	671.8	666.1	655.1	638.4	629.1	624.5	620.9	624.0
7.5°	673.2	663.6	656.0	640.7	619.4	605.0	598.8	594.5	597.4
10°	653.7	642.1	633.3	615.2	592.0	574.7	567.1	563.1	565.9
12.5°	628.2	618.6	605.3	585.5	560.6	542.4	536.8	533.7	534.8
15°	601.3	590.0	575.3	555.5	530.5	512.4	509.0	507.0	507.6
17.5°	562.2	551.2	538.5	519.2	496.3	481.6	481.6	480.1	481.0
20°	513.6	507.6	495.2	479.0	459.5	446.2	450.4	449.0	450.7
22.5°	460.9	456.4	445.6	432.3	415.9	405.4	414.8	414.5	416.7
25°	400.6	397.2	389.8	378.5	364.1	357.6	373.1	373.1	379.1
27.5°	334.1	330.7	325.6	315.9	304.1	302.1	325.0	327.8	334.3
30°	266.1	263.9	261.0	252.2	242.3	246.0	277.7	282.5	289.9
32.5°	205.5	204.1	203.3	195.3	186.6	198.7	235.0	241.2	248.6
35°	155.1	152.0	154.3	148.3	140.4	155.7	195.6	201.0	207.0
37.5°	114.4	112.1	114.1	109.8	102.8	119.5	157.1	160.5	164.5
40°	82.1	80.1	81.8	79.3	73.6	89.2	123.2	126.8	128.5
42.5°	58.3	54.9	56.6	54.6	51.8	67.1	96.8	100.2	100.8
45°	36.8	35.7	36.8	35.7	35.1	49.8	76.4	79.6	81.0
47.5°	22.4	20.9	20.9	20.4	20.9	36.8	63.1	67.7	69.9
50°	12.7	12.2	11.9	11.6	12.7	28.9	54.6	59.7	62.6
52.5°	8.5	8.2	8.2	7.9	9.3	24.3	49.3	53.8	56.6
55°	6.2	5.9	5.9	5.9	7.4	20.9	45.3	49.0	51.5
57.5°	4.8	4.8	4.8	4.5	6.2	17.8	40.5	42.5	44.4
60°	4.0	3.7	3.7	3.7	5.1	15.3	34.8	35.7	36.8
62.5°	3.1	3.1	3.1	3.1	4.2	13.6	30.0	30.0	30.6
65°	2.8	2.5	2.5	2.5	3.7	11.9	25.2	24.9	25.5
67.5°	2.3	2.3	2.3	2.3	3.1	10.2	20.7	20.4	20.9
70°	2.0	2.0	2.0	2.0	2.5	8.5	16.7	16.4	17.0
72.5°	1.7	1.7	1.7	1.7	2.3	7.1	13.3	13.3	13.6
75°	1.4	1.4	1.4	1.4	2.0	5.4	10.8	10.8	11.0
77.5°	1.1	1.1	1.1	1.1	1.4	4.2	8.2	7.9	7.9
80°	0.6	0.8	0.8	0.8	1.1	3.1	5.9	5.4	5.4
82.5°	0.3	0.6	0.6	0.6	1.1	2.3	4.0	3.7	3.7
85°	0.3	0.3	0.3	0.8	1.1	1.7	2.5	2.5	2.5
87.5°	0.0	0.3	0.6	1.1	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)