

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: P799310

Luminaire Tested: **LD6C10D010 EU6109030 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: P799310
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 6LBMDSWGPH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

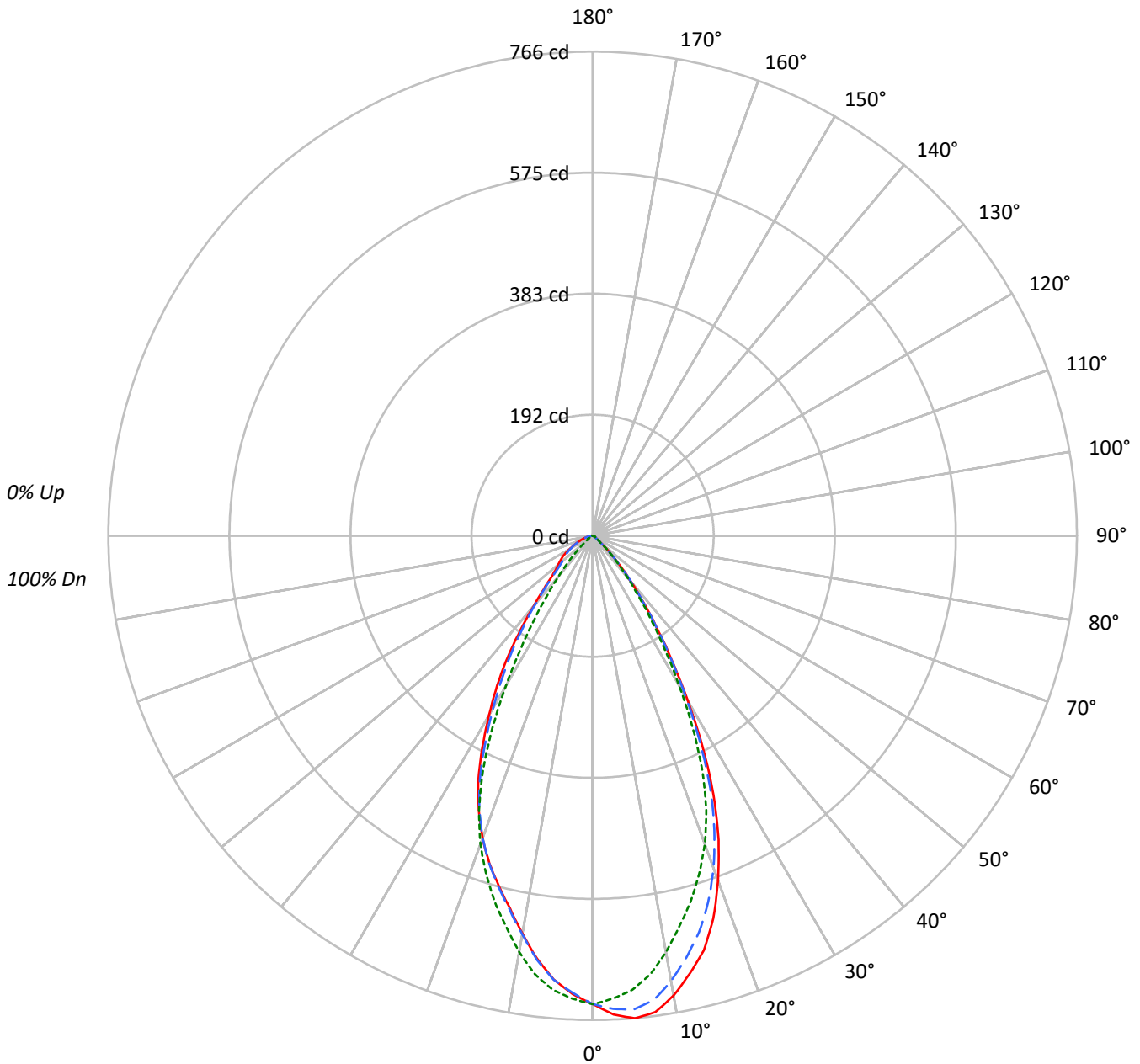
Lumens per Lamp: N/A
Luminaire Lumens: 638.0 lumens
Efficiency: N/A
Efficacy: 65.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
Input Voltage (V): NR
Input Current (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	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°	40622	40622	40622
5°	42169	39671	38774
10°	41093	37213	35570
15°	38536	34001	32531
20°	33830	30266	29688
25°	27364	24866	25895
30°	19022	17325	20725
35°	11725	10614	15640
40°	6634	5947	10384
45°	3225	3070	7086
50°	1228	1228	6030
55°	669	793	5563
60°	493	636	4561
65°	415	545	3736
70°	353	465	3077
75°	339	466	2648
80°	189	410	1926
85°	189	818	1824



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.8	10.6
10°-20°	170.5	26.7
20°-30°	191.9	30.1
30°-40°	118.9	18.6
40°-50°	47.3	7.4
50°-60°	21.5	3.4
60°-70°	12.4	1.9
70°-80°	5.9	0.9
80°-90°	1.7	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°	430.3	67.4
0°-40°	549.1	86.1
0°-60°	618.0	96.9
0°-90°	638.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	638.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	741	741	741	741	741	
5°	766	752	721	705	705	72
15°	679	650	599	575	573	188
25°	452	440	411	421	428	203
35°	175	174	159	221	234	113
45°	42	42	40	86	91	35
55°	7	7	8	51	58	7
65°	3	3	4	28	29	3
75°	2	2	2	12	12	2
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°	741.0	741.0	741.0	741.0	741.0	741.0	741.0	741.0	741.0
2.5°	758.0	750.9	749.3	743.3	733.0	727.3	723.8	721.2	725.7
5°	766.3	758.6	752.2	739.8	720.9	710.3	705.2	701.1	704.6
7.5°	760.2	749.3	740.7	723.4	699.5	683.2	676.1	671.3	674.5
10°	738.2	725.0	715.1	694.7	668.5	649.0	640.3	635.9	639.0
12.5°	709.4	698.5	683.5	661.1	633.0	612.5	606.1	602.6	603.9
15°	679.0	666.2	649.6	627.2	599.1	578.6	574.8	572.6	573.2
17.5°	634.9	622.4	608.0	586.3	560.4	543.8	543.8	542.2	543.1
20°	579.9	573.2	559.1	540.9	518.8	503.8	508.6	507.0	508.9
22.5°	520.4	515.3	503.2	488.2	469.6	457.8	468.3	468.0	470.6
25°	452.4	448.5	440.2	427.4	411.1	403.8	421.3	421.3	428.1
27.5°	377.2	373.4	367.6	356.8	343.3	341.1	367.0	370.2	377.5
30°	300.5	297.9	294.7	284.8	273.7	277.8	313.6	319.0	327.4
32.5°	232.1	230.5	229.5	220.6	210.7	224.4	265.3	272.4	280.7
35°	175.2	171.7	174.2	167.5	158.6	175.8	220.9	227.0	233.7
37.5°	129.2	126.6	128.8	124.0	116.0	134.9	177.4	181.3	185.7
40°	92.7	90.5	92.4	89.5	83.1	100.7	139.1	143.2	145.1
42.5°	65.9	62.0	63.9	61.7	58.5	75.8	109.3	113.2	113.8
45°	41.6	40.3	41.6	40.3	39.6	56.3	86.3	89.8	91.4
47.5°	25.3	23.7	23.7	23.0	23.7	41.6	71.3	76.4	79.0
50°	14.4	13.7	13.4	13.1	14.4	32.6	61.7	67.5	70.7
52.5°	9.6	9.3	9.3	9.0	10.5	27.5	55.6	60.7	63.9
55°	7.0	6.7	6.7	6.7	8.3	23.7	51.1	55.3	58.2
57.5°	5.4	5.4	5.4	5.1	7.0	20.1	45.7	48.0	50.2
60°	4.5	4.2	4.2	4.2	5.8	17.3	39.3	40.3	41.6
62.5°	3.5	3.5	3.5	3.5	4.8	15.3	33.9	33.9	34.5
65°	3.2	2.9	2.9	2.9	4.2	13.4	28.5	28.1	28.8
67.5°	2.6	2.6	2.6	2.6	3.5	11.5	23.3	23.0	23.7
70°	2.2	2.2	2.2	2.2	2.9	9.6	18.9	18.5	19.2
72.5°	1.9	1.9	1.9	1.9	2.6	8.0	15.0	15.0	15.3
75°	1.6	1.6	1.6	1.6	2.2	6.1	12.1	12.1	12.5
77.5°	1.3	1.3	1.3	1.3	1.6	4.8	9.3	9.0	9.0
80°	0.6	1.0	1.0	1.0	1.3	3.5	6.7	6.1	6.1
82.5°	0.3	0.6	0.6	0.6	1.3	2.6	4.5	4.2	4.2
85°	0.3	0.3	0.3	1.0	1.3	1.9	2.9	2.9	2.9
87.5°	0.0	0.3	0.6	1.3	1.6	1.6	1.9	1.6	1.6
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)