

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: P799848

Luminaire Tested: **LD6C55D010 EU6559030 6LBMDDWWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799848
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: LD6C55D010 EU6559030 6LBMDDWWH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

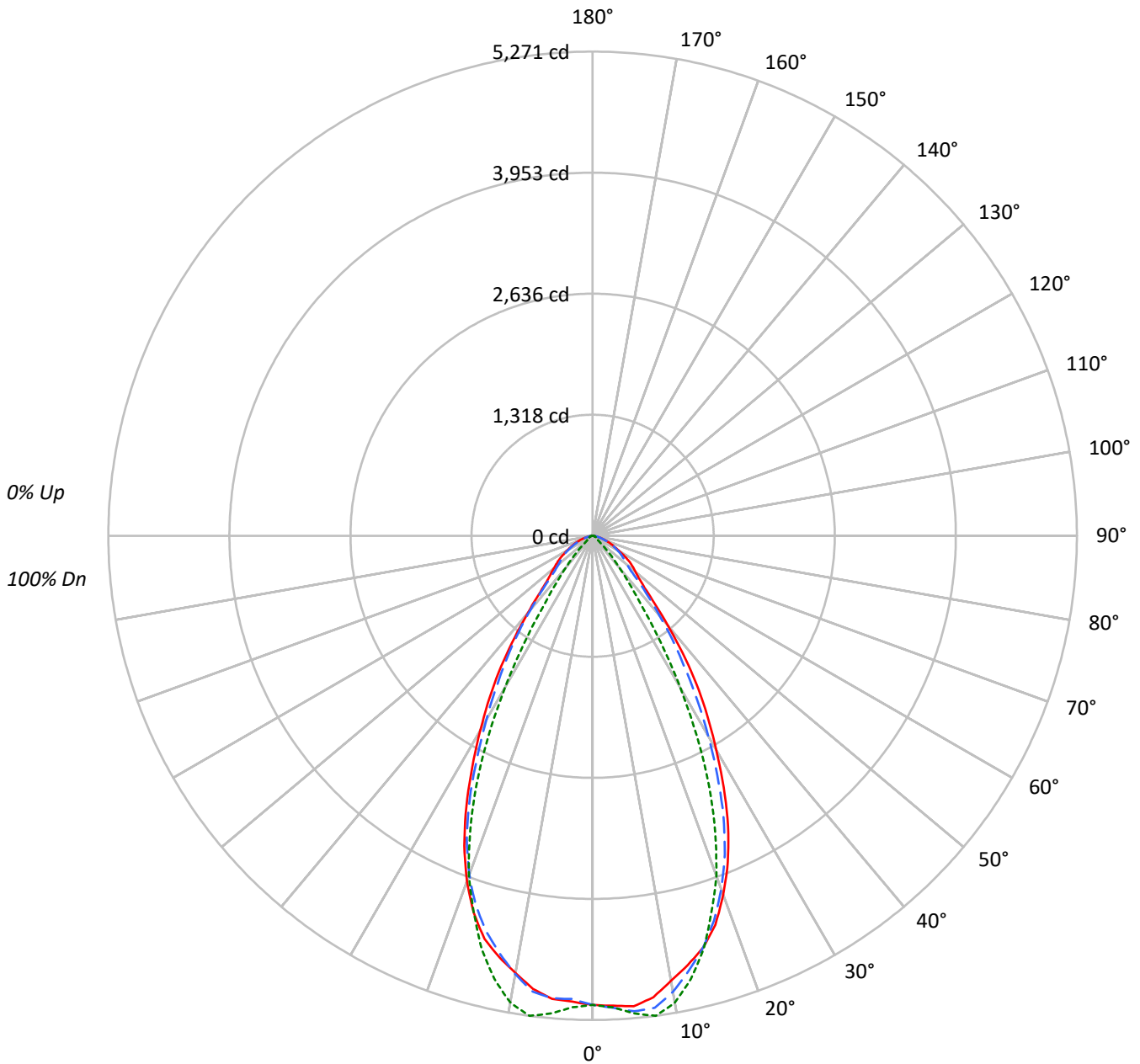
Lumens per Lamp: N/A
Luminaire Lumens: 5200.0 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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																			
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°	280010	280010	280010
5°	282935	287227	278505
10°	273770	287219	269000
15°	263492	264525	257890
20°	242507	229772	233412
25°	211053	181196	196596
30°	170216	120386	154429
35°	131966	62071	115971
40°	90548	32167	78089
45°	62037	16110	54789
50°	51623	6865	46975
55°	46431	5964	41967
60°	36740	5701	35041
65°	30328	5059	29990
70°	24571	4584	24571
75°	18152	4956	19253
80°	10671	4104	11491
85°	8177	4906	8177



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	486.2	9.4
10°-20°	1276.1	24.5
20°-30°	1456.6	28.0
30°-40°	966.0	18.6
40°-50°	465.9	9.0
50°-60°	286.6	5.5
60°-70°	173.4	3.3
70°-80°	73.0	1.4
80°-90°	16.1	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°	3219.0	61.9
0°-40°	4185.0	80.5
0°-60°	4937.5	95.0
0°-90°	5200.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5200.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5108	5108	5108	5108	5108	
5°	5142	5196	5220	5053	5061	483
15°	4643	4643	4661	4464	4544	1294
25°	3489	3372	2996	3170	3250	1582
35°	1972	1738	928	1621	1733	1220
45°	800	702	208	655	707	653
55°	486	395	62	395	439	427
65°	234	223	39	210	231	235
75°	86	86	23	80	91	92
85°	13	18	8	13	13	17
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°	5107.8	5107.8	5107.8	5107.8	5107.8	5107.8	5107.8	5107.8	5107.8
2.5°	5120.8	5128.6	5144.1	5146.7	5138.9	5089.6	5048.0	5063.6	5076.6
5°	5141.5	5157.1	5196.1	5232.5	5219.5	5136.4	5053.2	5050.6	5061.0
7.5°	5066.2	5102.6	5183.1	5274.0	5271.4	5128.6	5006.4	4975.3	4975.3
10°	4918.1	4951.9	5040.2	5162.3	5159.7	4980.5	4845.4	4829.8	4832.4
12.5°	4785.6	4801.2	4845.4	4941.5	4941.5	4764.8	4660.9	4676.5	4697.3
15°	4642.7	4653.1	4642.7	4673.9	4660.9	4515.4	4463.5	4512.8	4544.0
17.5°	4440.1	4445.3	4390.7	4349.1	4299.8	4208.8	4221.8	4294.6	4302.4
20°	4156.9	4190.7	4091.9	3985.4	3938.6	3852.9	3925.7	4006.2	4001.0
22.5°	3845.1	3884.1	3756.8	3580.1	3484.0	3450.2	3580.1	3652.9	3650.3
25°	3489.2	3517.8	3372.3	3125.5	2995.6	2990.4	3169.6	3245.0	3250.2
27.5°	3089.1	3099.5	2935.8	2613.6	2452.6	2491.5	2717.6	2821.5	2834.5
30°	2689.0	2683.8	2514.9	2114.8	1901.8	2008.3	2312.3	2426.6	2439.6
32.5°	2322.7	2307.1	2114.8	1636.8	1382.2	1540.6	1940.7	2060.3	2081.0
35°	1971.9	1945.9	1738.1	1210.7	927.5	1163.9	1621.2	1725.1	1732.9
37.5°	1605.6	1592.6	1428.9	906.7	646.9	883.3	1322.4	1397.8	1390.0
40°	1265.3	1265.3	1130.2	672.9	449.5	657.3	1047.0	1114.6	1091.2
42.5°	992.5	1005.4	891.1	496.2	319.6	488.4	828.8	891.1	865.2
45°	800.2	800.2	701.5	368.9	207.8	363.7	654.7	711.9	706.7
47.5°	678.1	667.7	569.0	270.2	114.3	272.8	550.8	620.9	618.3
50°	605.3	589.8	488.4	213.0	80.5	226.0	483.2	548.2	550.8
52.5°	548.2	524.8	439.1	189.7	70.1	197.5	439.1	491.0	491.0
55°	485.8	472.8	394.9	168.9	62.4	176.7	394.9	441.7	439.1
57.5°	410.5	407.9	353.3	153.3	57.2	155.9	353.3	381.9	371.5
60°	335.1	345.5	306.6	137.7	52.0	140.3	301.4	324.8	319.6
62.5°	280.6	293.6	267.6	122.1	44.2	124.7	254.6	278.0	272.8
65°	233.8	244.2	223.4	103.9	39.0	103.9	210.4	231.2	231.2
67.5°	192.3	200.1	184.5	85.7	33.8	85.7	171.5	189.7	192.3
70°	153.3	158.5	145.5	67.5	28.6	70.1	135.1	153.3	153.3
72.5°	119.5	122.1	114.3	54.6	26.0	54.6	103.9	119.5	119.5
75°	85.7	90.9	85.7	41.6	23.4	41.6	80.5	88.3	90.9
77.5°	49.4	62.4	62.4	33.8	18.2	31.2	57.2	59.8	59.8
80°	33.8	39.0	44.2	23.4	13.0	23.4	36.4	39.0	36.4
82.5°	23.4	26.0	26.0	15.6	10.4	15.6	23.4	26.0	23.4
85°	13.0	18.2	18.2	13.0	7.8	10.4	13.0	15.6	13.0
87.5°	7.8	10.4	13.0	10.4	7.8	7.8	7.8	7.8	5.2
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)