

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: P799881

Luminaire Tested: **LD6C55D010 EU6559050 6LBMDDWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799881
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 EU6559050 6LBMDDWH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

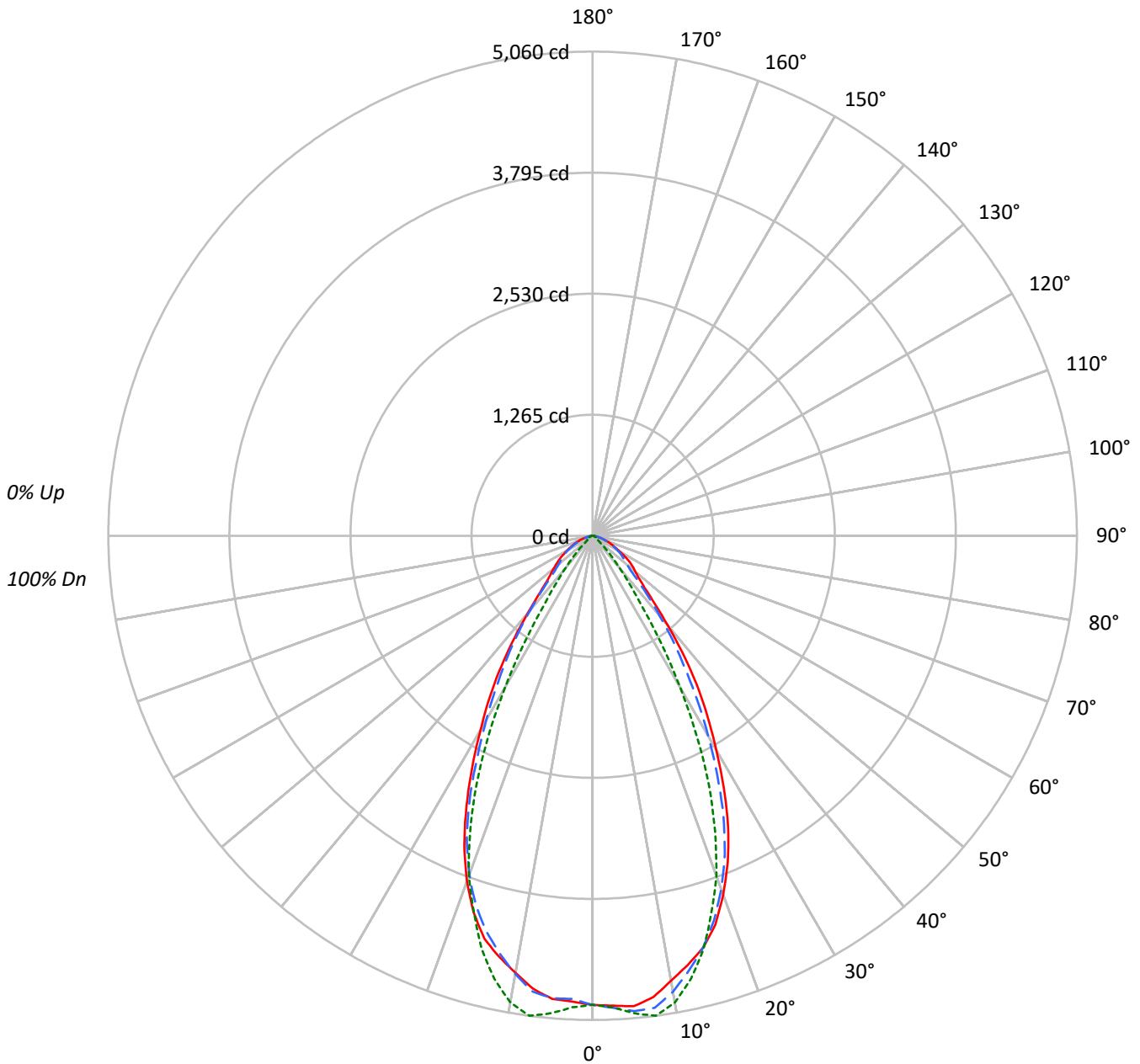
Lumens per Lamp: N/A
Luminaire Lumens: 4991.0 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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					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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91					91			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83					83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76					76			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70					70			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64					64			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59					59			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55					55			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51					51			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48					48			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45					45			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	268756	268756	268756
5°	271565	275682	267312
10°	262765	275680	258189
15°	252902	253895	247527
20°	232759	220537	224031
25°	202566	173913	188690
30°	163373	115543	148219
35°	126665	59575	111313
40°	86906	30872	74948
45°	59541	15467	52587
50°	49551	6593	45082
55°	44567	5715	40276
60°	35271	5471	33627
65°	29108	4851	28784
70°	23578	4392	23578
75°	17432	4745	18491
80°	10229	3946	11018
85°	7862	4717	7862



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	466.7	9.4
10°-20°	1224.8	24.5
20°-30°	1398.1	28.0
30°-40°	927.2	18.6
40°-50°	447.2	9.0
50°-60°	275.1	5.5
60°-70°	166.4	3.3
70°-80°	70.0	1.4
80°-90°	15.5	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°	3089.6	61.9
0°-40°	4016.8	80.5
0°-60°	4739.0	95.0
0°-90°	4991.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4991.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4902	4902	4902	4902	4902	
5°	4935	4987	5010	4850	4858	464
15°	4456	4456	4474	4284	4361	1242
25°	3349	3237	2875	3042	3120	1519
35°	1893	1668	890	1556	1663	1171
45°	768	673	200	628	678	626
55°	466	379	60	379	421	410
65°	224	214	37	202	222	225
75°	82	82	22	77	87	88
85°	12	18	8	12	12	16
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°	4902.5	4902.5	4902.5	4902.5	4902.5	4902.5	4902.5	4902.5	4902.5
2.5°	4914.9	4922.4	4937.4	4939.9	4932.4	4885.0	4845.1	4860.1	4872.6
5°	4934.9	4949.9	4987.3	5022.2	5009.7	4929.9	4850.1	4847.6	4857.6
7.5°	4862.6	4897.5	4974.8	5062.1	5059.6	4922.4	4805.2	4775.3	4775.3
10°	4720.4	4752.9	4837.6	4954.8	4952.4	4780.3	4650.6	4635.7	4638.2
12.5°	4593.3	4608.2	4650.6	4742.9	4742.9	4573.3	4473.6	4488.5	4508.5
15°	4456.1	4466.1	4456.1	4486.0	4473.6	4333.9	4284.1	4331.4	4361.4
17.5°	4261.6	4266.6	4214.2	4174.3	4127.0	4039.7	4052.2	4122.0	4129.5
20°	3989.8	4022.2	3927.5	3825.2	3780.3	3698.1	3767.9	3845.2	3840.2
22.5°	3690.6	3728.0	3605.8	3436.2	3344.0	3311.5	3436.2	3506.0	3503.6
25°	3348.9	3376.4	3236.7	2999.8	2875.2	2870.2	3042.2	3114.5	3119.5
27.5°	2964.9	2974.9	2817.8	2508.6	2354.0	2391.4	2608.3	2708.1	2720.6
30°	2580.9	2575.9	2413.8	2029.8	1825.3	1927.6	2219.3	2329.1	2341.5
32.5°	2229.3	2214.3	2029.8	1571.0	1326.6	1478.7	1862.7	1977.4	1997.4
35°	1892.7	1867.7	1668.2	1162.0	890.2	1117.1	1556.0	1655.8	1663.3
37.5°	1541.1	1528.6	1371.5	870.3	620.9	847.8	1269.3	1341.6	1334.1
40°	1214.4	1214.4	1084.7	645.9	431.4	630.9	1004.9	1069.8	1047.3
42.5°	952.6	965.0	855.3	476.3	306.7	468.8	795.5	855.3	830.4
45°	768.0	768.0	673.3	354.1	199.5	349.1	628.4	683.3	678.3
47.5°	650.8	640.9	546.1	259.3	109.7	261.8	528.6	596.0	593.5
50°	581.0	566.1	468.8	204.5	77.3	216.9	463.8	526.2	528.6
52.5°	526.2	503.7	421.4	182.0	67.3	189.5	421.4	471.3	471.3
55°	466.3	453.8	379.0	162.1	59.8	169.6	379.0	423.9	421.4
57.5°	394.0	391.5	339.1	147.1	54.9	149.6	339.1	366.6	356.6
60°	321.7	331.7	294.2	132.2	49.9	134.7	289.3	311.7	306.7
62.5°	269.3	281.8	256.8	117.2	42.4	119.7	244.4	266.8	261.8
65°	224.4	234.4	214.5	99.7	37.4	99.7	202.0	221.9	221.9
67.5°	184.5	192.0	177.0	82.3	32.4	82.3	164.6	182.0	184.5
70°	147.1	152.1	139.6	64.8	27.4	67.3	129.7	147.1	147.1
72.5°	114.7	117.2	109.7	52.4	24.9	52.4	99.7	114.7	114.7
75°	82.3	87.3	82.3	39.9	22.4	39.9	77.3	84.8	87.3
77.5°	47.4	59.8	59.8	32.4	17.5	29.9	54.9	57.4	57.4
80°	32.4	37.4	42.4	22.4	12.5	22.4	34.9	37.4	34.9
82.5°	22.4	24.9	24.9	15.0	10.0	15.0	22.4	24.9	22.4
85°	12.5	17.5	17.5	12.5	7.5	10.0	12.5	15.0	12.5
87.5°	7.5	10.0	12.5	10.0	7.5	7.5	7.5	7.5	5.0
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)