

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: P799837

Luminaire Tested: **LD6C55D010 EU6559027 6LBMDDWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799837
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 EU6559027 6LBMDDWWMH
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

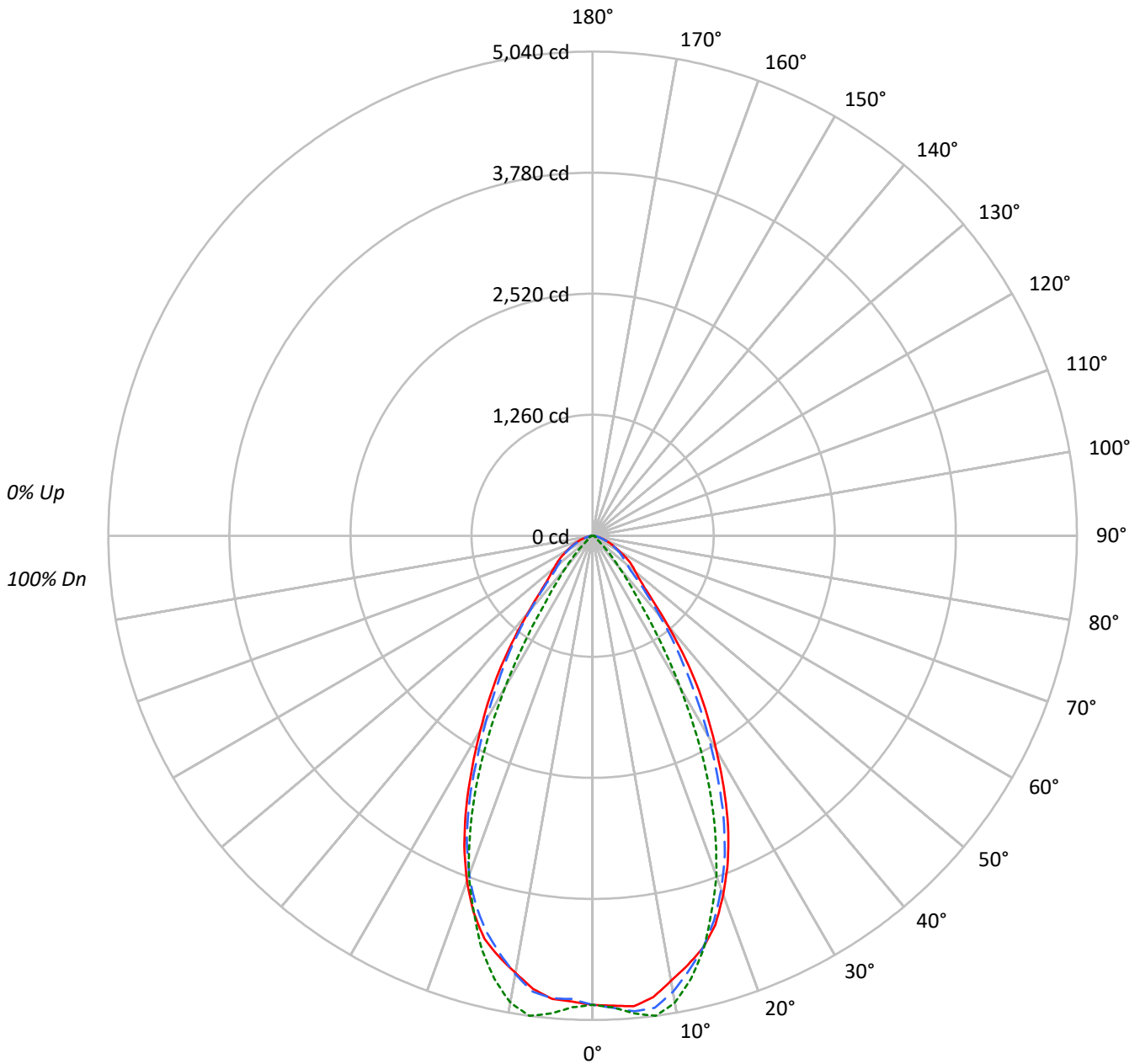
Lumens per Lamp: N/A
Luminaire Lumens: 4972.0 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	267731	267731	267731
5°	270531	274631	266294
10°	261769	274628	257204
15°	251942	252924	246585
20°	231872	219702	223179
25°	201798	173248	187977
30°	162753	115106	147656
35°	126183	59347	110885
40°	86576	30758	74661
45°	59316	15405	52385
50°	49363	6567	44911
55°	44395	5696	40123
60°	35140	5449	33495
65°	29004	4838	28680
70°	23498	4376	23498
75°	17368	4745	18406
80°	10197	3915	10986
85°	7799	4717	7799



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	464.9	9.4
10°-20°	1220.2	24.5
20°-30°	1392.8	28.0
30°-40°	923.6	18.6
40°-50°	445.5	9.0
50°-60°	274.0	5.5
60°-70°	165.8	3.3
70°-80°	69.8	1.4
80°-90°	15.4	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°	3077.8	61.9
0°-40°	4001.5	80.5
0°-60°	4721.0	95.0
0°-90°	4972.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4972.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4884	4884	4884	4884	4884	
5°	4916	4968	4991	4832	4839	462
15°	4439	4439	4456	4268	4345	1237
25°	3336	3224	2864	3031	3108	1513
35°	1886	1662	887	1550	1657	1166
45°	765	671	199	626	676	624
55°	464	378	60	378	420	408
65°	224	214	37	201	221	225
75°	82	82	22	77	87	88
85°	12	17	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°	4883.8	4883.8	4883.8	4883.8	4883.8	4883.8	4883.8	4883.8	4883.8
2.5°	4896.2	4903.7	4918.6	4921.1	4913.6	4866.4	4826.7	4841.6	4854.0
5°	4916.1	4931.0	4968.3	5003.1	4990.6	4911.1	4831.6	4829.2	4839.1
7.5°	4844.1	4878.8	4955.9	5042.8	5040.3	4903.7	4786.9	4757.1	4757.1
10°	4702.5	4734.8	4819.2	4936.0	4933.5	4762.1	4632.9	4618.0	4620.5
12.5°	4575.8	4590.7	4632.9	4724.8	4724.8	4555.9	4456.5	4471.4	4491.3
15°	4439.2	4449.1	4439.2	4469.0	4456.5	4317.4	4267.8	4314.9	4344.8
17.5°	4245.4	4250.4	4198.2	4158.4	4111.2	4024.3	4036.7	4106.3	4113.7
20°	3974.6	4006.9	3912.5	3810.7	3766.0	3684.0	3753.5	3830.5	3825.6
22.5°	3676.5	3713.8	3592.1	3423.1	3331.2	3298.9	3423.1	3492.7	3490.2
25°	3336.2	3363.5	3224.4	2988.4	2864.2	2859.2	3030.6	3102.7	3107.7
27.5°	2953.6	2963.6	2807.1	2499.0	2345.0	2382.3	2598.4	2697.8	2710.2
30°	2571.1	2566.1	2404.6	2022.1	1818.4	1920.2	2210.9	2320.2	2332.6
32.5°	2220.8	2205.9	2022.1	1565.0	1321.6	1473.1	1855.7	1969.9	1989.8
35°	1885.5	1860.6	1661.9	1157.6	886.8	1112.9	1550.1	1649.5	1656.9
37.5°	1535.2	1522.8	1366.3	867.0	618.6	844.6	1264.4	1336.5	1329.0
40°	1209.8	1209.8	1080.6	643.4	429.8	628.5	1001.1	1065.7	1043.3
42.5°	948.9	961.4	852.1	474.5	305.5	467.0	792.4	852.1	827.2
45°	765.1	765.1	670.7	352.7	198.7	347.8	626.0	680.7	675.7
47.5°	648.4	638.4	544.0	258.4	109.3	260.8	526.6	593.7	591.2
50°	578.8	563.9	467.0	203.7	77.0	216.1	462.0	524.2	526.6
52.5°	524.2	501.8	419.8	181.3	67.1	188.8	419.8	469.5	469.5
55°	464.5	452.1	377.6	161.5	59.6	168.9	377.6	422.3	419.8
57.5°	392.5	390.0	337.8	146.6	54.7	149.0	337.8	365.2	355.2
60°	320.5	330.4	293.1	131.7	49.7	134.1	288.2	310.5	305.5
62.5°	268.3	280.7	255.9	116.8	42.2	119.2	243.4	265.8	260.8
65°	223.6	233.5	213.6	99.4	37.3	99.4	201.2	221.1	221.1
67.5°	183.8	191.3	176.4	82.0	32.3	82.0	164.0	181.3	183.8
70°	146.6	151.5	139.1	64.6	27.3	67.1	129.2	146.6	146.6
72.5°	114.3	116.8	109.3	52.2	24.8	52.2	99.4	114.3	114.3
75°	82.0	86.9	82.0	39.7	22.4	39.7	77.0	84.5	86.9
77.5°	47.2	59.6	59.6	32.3	17.4	29.8	54.7	57.1	57.1
80°	32.3	37.3	42.2	22.4	12.4	22.4	34.8	37.3	34.8
82.5°	22.4	24.8	24.8	14.9	9.9	14.9	22.4	24.8	22.4
85°	12.4	17.4	17.4	12.4	7.5	9.9	12.4	14.9	12.4
87.5°	7.5	9.9	12.4	9.9	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)