

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: P800069

Luminaire Tested: **LD6C70D010 EU6709050 6LBMDSWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P800069
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: LD6C70D010 EU6709050 6LBMDSWMW
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

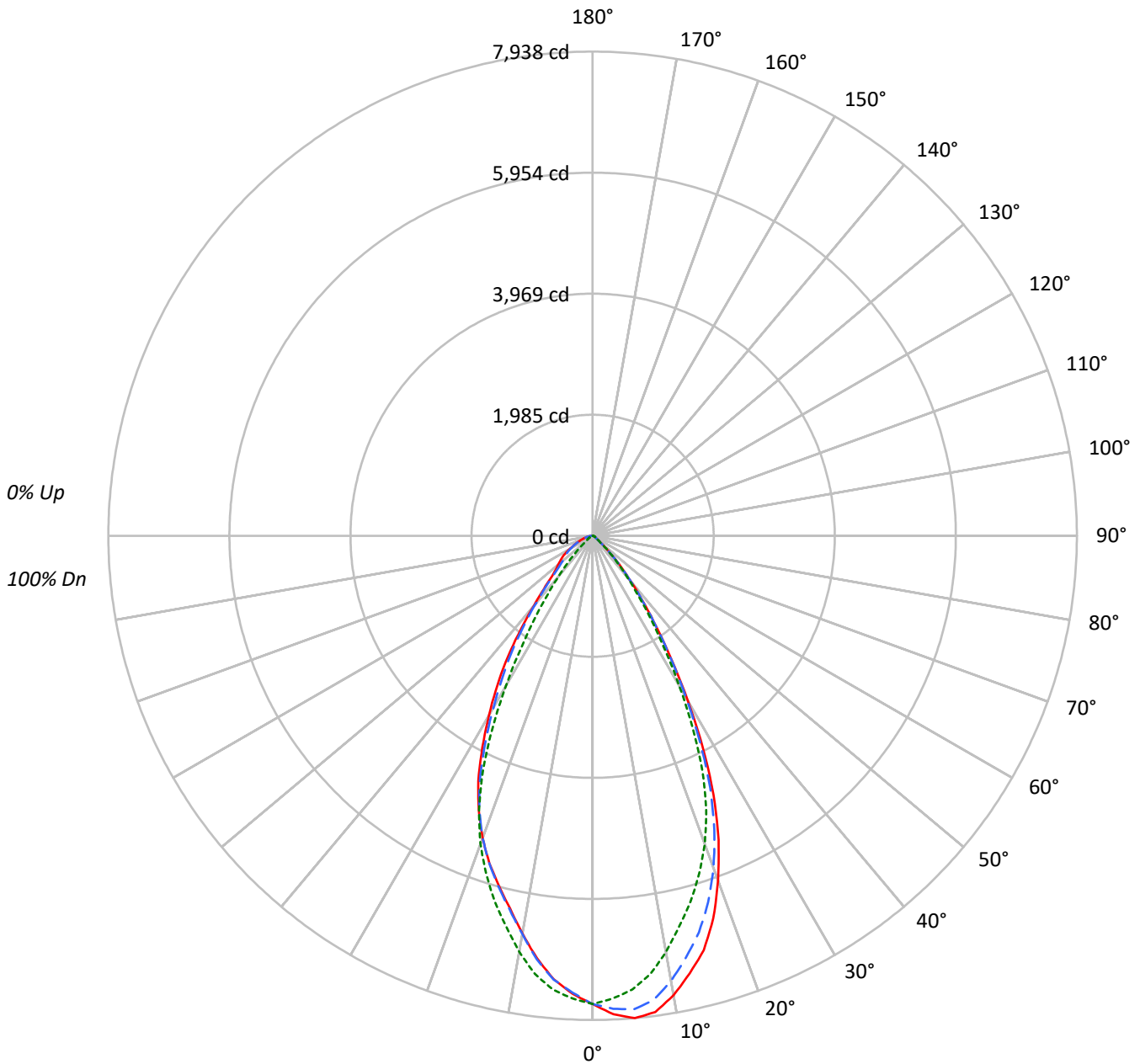
Lumens per Lamp: N/A
Luminaire Lumens: 6609.0 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 78
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	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°	420816	420816	420816
5°	436819	410939	401644
10°	425649	385458	368502
15°	399196	352210	336988
20°	350450	313551	307566
25°	283438	257598	268213
30°	197049	179439	214660
35°	121452	109921	162007
40°	68729	61615	107594
45°	33376	31833	73426
50°	12707	12707	62420
55°	6967	8229	57604
60°	5087	6535	47200
65°	4294	5591	38655
70°	3719	4776	31848
75°	3516	4914	27366
80°	2084	4167	19857
85°	2076	8303	18744



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	702.7	10.6
10°-20°	1766.2	26.7
20°-30°	1988.3	30.1
30°-40°	1231.2	18.6
40°-50°	490.3	7.4
50°-60°	223.2	3.4
60°-70°	128.3	1.9
70°-80°	60.9	0.9
80°-90°	17.8	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°	4457.3	67.4
0°-40°	5688.5	86.1
0°-60°	6402.0	96.9
0°-90°	6609.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6609.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	7676	7676	7676	7676	7676	
5°	7938	7792	7468	7305	7299	748
15°	7034	6729	6206	5954	5938	1946
25°	4686	4560	4259	4365	4434	2106
35°	1815	1805	1642	2288	2421	1166
45°	430	430	411	894	947	365
55°	73	70	86	530	603	72
65°	33	30	43	295	298	32
75°	17	17	23	126	129	17
85°	3	3	13	30	30	3
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°	7676.3	7676.3	7676.3	7676.3	7676.3	7676.3	7676.3	7676.3	7676.3
2.5°	7851.8	7778.9	7762.4	7699.5	7593.5	7533.9	7497.4	7471.0	7517.3
5°	7937.9	7858.4	7792.2	7663.0	7467.6	7358.4	7305.4	7262.3	7298.7
7.5°	7875.0	7762.4	7673.0	7494.1	7245.8	7076.9	7004.0	6954.3	6987.5
10°	7646.5	7510.7	7408.0	7196.1	6924.5	6722.5	6633.1	6586.8	6619.9
12.5°	7348.4	7235.8	7080.2	6848.4	6557.0	6345.0	6278.8	6242.4	6255.6
15°	7033.8	6901.4	6729.2	6497.3	6205.9	5994.0	5954.2	5931.1	5937.7
17.5°	6576.8	6447.7	6298.6	6073.5	5805.2	5633.0	5633.0	5616.5	5626.4
20°	6007.2	5937.7	5792.0	5603.2	5374.7	5219.1	5268.7	5252.2	5272.1
22.5°	5391.3	5338.3	5212.4	5056.8	4864.7	4742.2	4851.5	4848.2	4874.7
25°	4685.9	4646.2	4560.1	4427.6	4258.7	4182.5	4364.7	4364.7	4434.2
27.5°	3907.7	3867.9	3808.3	3695.7	3556.6	3533.5	3801.7	3834.8	3911.0
30°	3112.9	3086.4	3053.3	2950.6	2834.7	2877.8	3248.7	3305.0	3391.1
32.5°	2404.2	2387.7	2377.7	2285.0	2182.3	2324.7	2748.6	2821.5	2907.6
35°	1814.8	1778.3	1804.8	1735.3	1642.5	1821.4	2288.3	2351.2	2420.8
37.5°	1337.9	1311.4	1334.6	1284.9	1202.1	1397.5	1837.9	1877.7	1924.0
40°	960.4	937.2	957.0	927.2	861.0	1043.2	1440.5	1483.6	1503.5
42.5°	682.2	642.4	662.3	639.1	606.0	784.8	1132.6	1172.3	1178.9
45°	430.5	417.3	430.5	417.3	410.6	582.8	894.1	930.6	947.1
47.5°	261.6	245.1	245.1	238.4	245.1	430.5	738.5	791.5	818.0
50°	149.0	142.4	139.1	135.8	149.0	337.8	639.1	698.7	731.9
52.5°	99.3	96.0	96.0	92.7	109.3	284.8	576.2	629.2	662.3
55°	72.9	69.5	69.5	69.5	86.1	245.1	529.9	572.9	602.7
57.5°	56.3	56.3	56.3	53.0	72.9	208.6	473.6	496.7	519.9
60°	46.4	43.1	43.1	43.1	59.6	178.8	407.3	417.3	430.5
62.5°	36.4	36.4	36.4	36.4	49.7	159.0	351.0	351.0	357.7
65°	33.1	29.8	29.8	29.8	43.1	139.1	294.7	291.4	298.0
67.5°	26.5	26.5	26.5	26.5	36.4	119.2	241.7	238.4	245.1
70°	23.2	23.2	23.2	23.2	29.8	99.3	195.4	192.1	198.7
72.5°	19.9	19.9	19.9	19.9	26.5	82.8	155.6	155.6	159.0
75°	16.6	16.6	16.6	16.6	23.2	62.9	125.8	125.8	129.2
77.5°	13.2	13.2	13.2	13.2	16.6	49.7	96.0	92.7	92.7
80°	6.6	9.9	9.9	9.9	13.2	36.4	69.5	62.9	62.9
82.5°	3.3	6.6	6.6	6.6	13.2	26.5	46.4	43.1	43.1
85°	3.3	3.3	3.3	9.9	13.2	19.9	29.8	29.8	29.8
87.5°	0.0	3.3	6.6	13.2	16.6	16.6	19.9	16.6	16.6
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)