

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: P800043

Luminaire Tested: **LD6C70D010 EU6709035 6LBMDSWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P800043
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 EU6709035 6LBMDSWH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

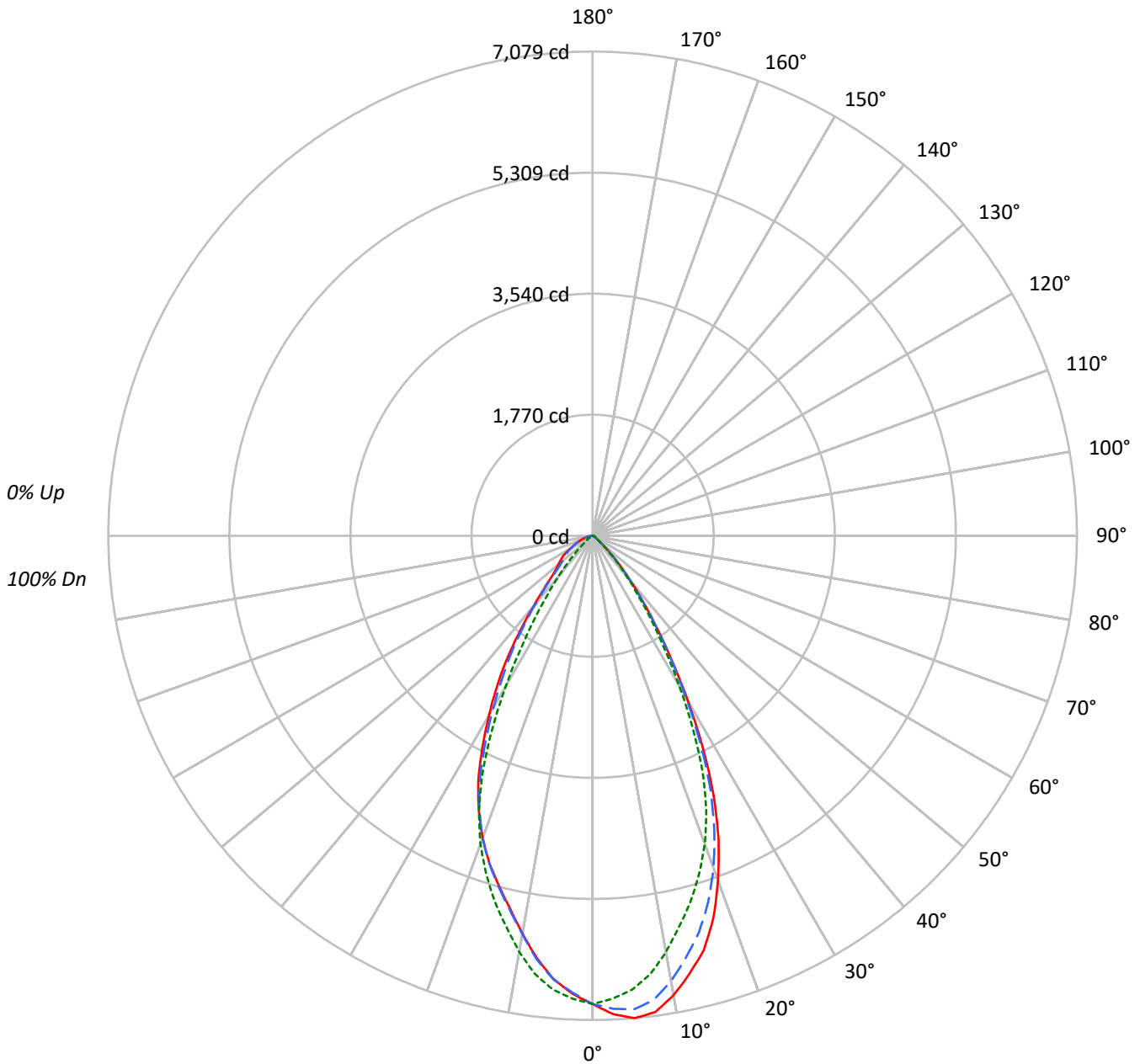
Lumens per Lamp: N/A
Luminaire Lumens: 5894.0 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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°	375288	375288	375288
5°	389560	366480	358193
10°	379597	343759	328635
15°	356012	314105	300530
20°	312536	279628	274290
25°	252777	229731	239197
30°	175730	160025	191435
35°	108308	98029	144480
40°	61293	54953	95951
45°	29763	28391	65487
50°	11334	11334	55666
55°	6212	7340	51372
60°	4528	5833	42091
65°	3827	4981	34478
70°	3318	4264	28402
75°	3135	4384	24400
80°	1863	3725	17711
85°	1887	7422	16731



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	626.7	10.6
10°-20°	1575.2	26.7
20°-30°	1773.2	30.1
30°-40°	1098.0	18.6
40°-50°	437.2	7.4
50°-60°	199.1	3.4
60°-70°	114.4	1.9
70°-80°	54.3	0.9
80°-90°	15.9	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°	3975.1	67.4
0°-40°	5073.1	86.1
0°-60°	5709.4	96.9
0°-90°	5894.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5894.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6846	6846	6846	6846	6846	
5°	7079	6949	6660	6515	6509	667
15°	6273	6001	5534	5310	5295	1735
25°	4179	4067	3798	3892	3954	1878
35°	1618	1610	1465	2041	2159	1040
45°	384	384	366	797	845	325
55°	65	62	77	472	538	65
65°	30	27	38	263	266	29
75°	15	15	21	112	115	15
85°	3	3	12	27	27	2
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°	6845.8	6845.8	6845.8	6845.8	6845.8	6845.8	6845.8	6845.8	6845.8
2.5°	7002.3	6937.4	6922.6	6866.5	6772.0	6718.8	6686.3	6662.7	6704.0
5°	7079.1	7008.2	6949.2	6834.0	6659.7	6562.3	6515.0	6476.6	6509.1
7.5°	7023.0	6922.6	6842.9	6683.4	6461.9	6311.3	6246.3	6202.0	6231.5
10°	6819.2	6698.1	6606.6	6417.6	6175.4	5995.2	5915.5	5874.2	5903.7
12.5°	6553.4	6453.0	6314.2	6107.5	5847.6	5658.6	5599.5	5567.0	5578.8
15°	6272.9	6154.7	6001.2	5794.4	5534.5	5345.5	5310.1	5289.4	5295.3
17.5°	5865.3	5750.1	5617.2	5416.4	5177.2	5023.6	5023.6	5008.8	5017.7
20°	5357.3	5295.3	5165.4	4997.0	4793.2	4654.4	4698.7	4684.0	4701.7
22.5°	4808.0	4760.8	4648.5	4509.7	4338.4	4229.2	4326.6	4323.7	4347.3
25°	4179.0	4143.5	4066.7	3948.6	3798.0	3730.0	3892.5	3892.5	3954.5
27.5°	3484.9	3449.5	3396.3	3295.9	3171.9	3151.2	3390.4	3419.9	3487.9
30°	2776.1	2752.5	2723.0	2631.4	2528.0	2566.4	2897.2	2947.4	3024.2
32.5°	2144.1	2129.3	2120.5	2037.8	1946.2	2073.2	2451.3	2516.2	2593.0
35°	1618.4	1585.9	1609.6	1547.5	1464.8	1624.3	2040.7	2096.9	2158.9
37.5°	1193.1	1169.5	1190.2	1145.9	1072.1	1246.3	1639.1	1674.5	1715.9
40°	856.5	835.8	853.5	826.9	767.9	930.3	1284.7	1323.1	1340.8
42.5°	608.4	572.9	590.7	570.0	540.5	699.9	1010.0	1045.5	1051.4
45°	383.9	372.1	383.9	372.1	366.2	519.8	797.4	829.9	844.7
47.5°	233.3	218.5	218.5	212.6	218.5	383.9	658.6	705.8	729.5
50°	132.9	127.0	124.0	121.1	132.9	301.2	570.0	623.2	652.7
52.5°	88.6	85.6	85.6	82.7	97.5	254.0	513.9	561.1	590.7
55°	65.0	62.0	62.0	62.0	76.8	218.5	472.5	510.9	537.5
57.5°	50.2	50.2	50.2	47.3	65.0	186.1	422.3	443.0	463.7
60°	41.3	38.4	38.4	38.4	53.2	159.5	363.3	372.1	383.9
62.5°	32.5	32.5	32.5	32.5	44.3	141.8	313.1	313.1	319.0
65°	29.5	26.6	26.6	26.6	38.4	124.0	262.8	259.9	265.8
67.5°	23.6	23.6	23.6	23.6	32.5	106.3	215.6	212.6	218.5
70°	20.7	20.7	20.7	20.7	26.6	88.6	174.2	171.3	177.2
72.5°	17.7	17.7	17.7	17.7	23.6	73.8	138.8	138.8	141.8
75°	14.8	14.8	14.8	14.8	20.7	56.1	112.2	112.2	115.2
77.5°	11.8	11.8	11.8	11.8	14.8	44.3	85.6	82.7	82.7
80°	5.9	8.9	8.9	8.9	11.8	32.5	62.0	56.1	56.1
82.5°	3.0	5.9	5.9	5.9	11.8	23.6	41.3	38.4	38.4
85°	3.0	3.0	3.0	8.9	11.8	17.7	26.6	26.6	26.6
87.5°	0.0	3.0	5.9	11.8	14.8	14.8	17.7	14.8	14.8
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)