

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: P800031

Luminaire Tested: **LD6C70D010 EU6709030 6LBMDSWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P800031
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 EU6709030 6LBMDSWH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

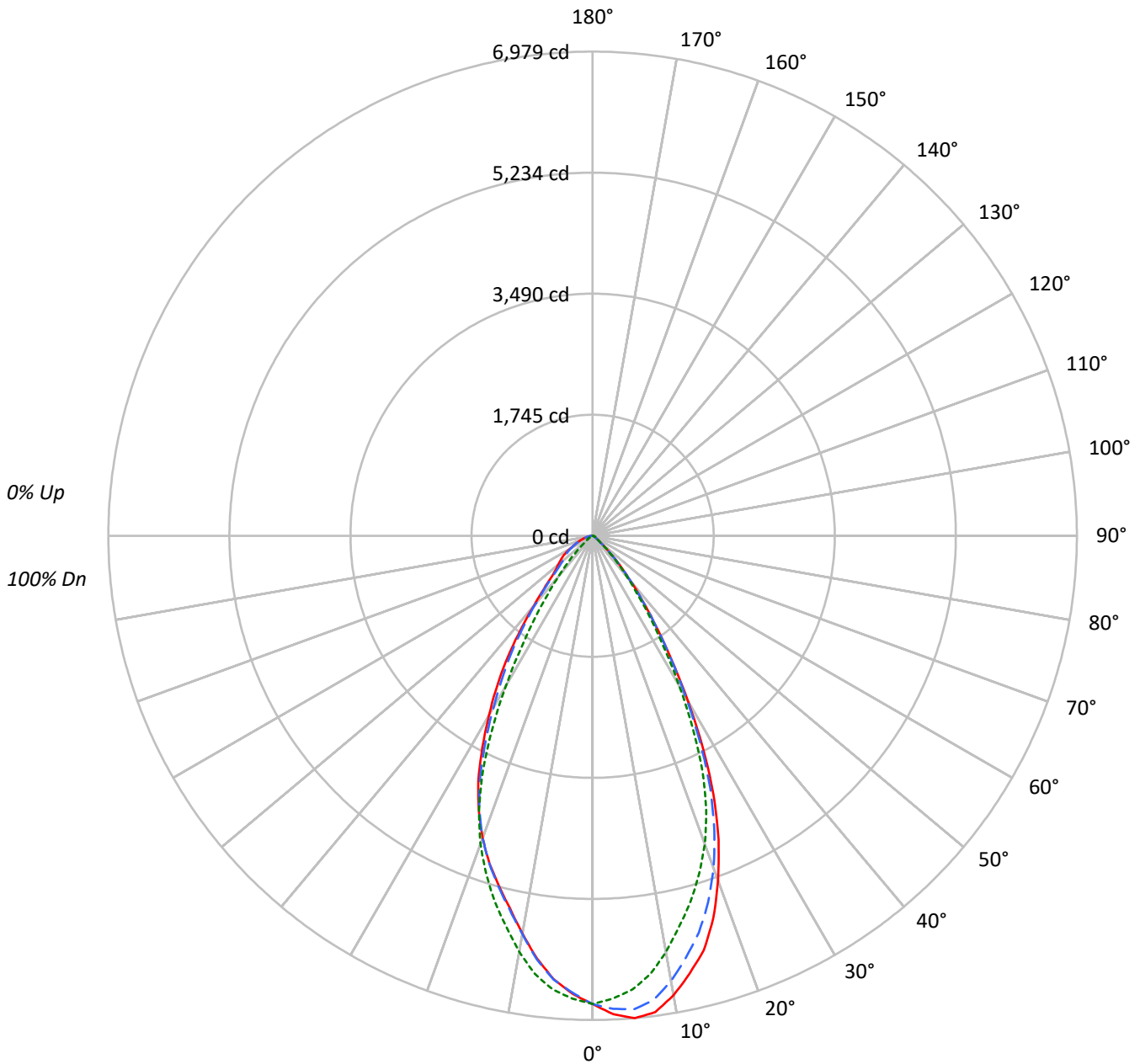
Lumens per Lamp: N/A
Luminaire Lumens: 5811.0 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92																			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85																			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78																			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73																			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67																			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63																			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59																			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55																			
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52																			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	370003	370003	370003
5°	384073	361324	353152
10°	374253	338916	324009
15°	350995	309684	296296
20°	308138	275690	270428
25°	249214	226495	235828
30°	173255	157771	188738
35°	106782	96650	142446
40°	60428	54180	94599
45°	29344	27995	64565
50°	11172	11172	54881
55°	6126	7235	50646
60°	4473	5745	41499
65°	3775	4916	33998
70°	3270	4199	28002
75°	3092	4321	24061
80°	1831	3662	17458
85°	1824	7296	16480



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	617.9	10.6
10°-20°	1553.0	26.7
20°-30°	1748.2	30.1
30°-40°	1082.5	18.6
40°-50°	431.1	7.4
50°-60°	196.3	3.4
60°-70°	112.8	1.9
70°-80°	53.6	0.9
80°-90°	15.6	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°	3919.1	67.4
0°-40°	5001.6	86.1
0°-60°	5629.0	96.9
0°-90°	5811.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5811.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6749	6749	6749	6749	6749	
5°	6979	6851	6566	6423	6418	657
15°	6184	5917	5457	5235	5221	1711
25°	4120	4010	3744	3838	3899	1852
35°	1596	1587	1444	2012	2128	1025
45°	378	378	361	786	833	321
55°	64	61	76	466	530	64
65°	29	26	38	259	262	28
75°	15	15	20	111	114	15
85°	3	3	12	26	26	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°	6749.4	6749.4	6749.4	6749.4	6749.4	6749.4	6749.4	6749.4	6749.4
2.5°	6903.7	6839.7	6825.1	6769.8	6676.6	6624.2	6592.2	6568.9	6609.6
5°	6979.4	6909.5	6851.3	6737.8	6566.0	6469.9	6423.3	6385.4	6417.5
7.5°	6924.1	6825.1	6746.5	6589.3	6370.9	6222.4	6158.3	6114.6	6143.8
10°	6723.2	6603.8	6513.6	6327.2	6088.4	5910.8	5832.2	5791.4	5820.6
12.5°	6461.1	6362.1	6225.3	6021.5	5765.2	5578.9	5520.7	5488.6	5500.3
15°	6184.5	6068.1	5916.6	5712.8	5456.6	5270.2	5235.3	5214.9	5220.7
17.5°	5782.7	5669.1	5538.1	5340.1	5104.3	4952.9	4952.9	4938.3	4947.0
20°	5281.9	5220.7	5092.6	4926.7	4725.7	4588.9	4632.6	4618.0	4635.5
22.5°	4740.3	4693.7	4583.1	4446.2	4277.3	4169.6	4265.7	4262.8	4286.1
25°	4120.1	4085.2	4009.5	3893.0	3744.5	3677.5	3837.7	3837.7	3898.8
27.5°	3435.8	3400.9	3348.5	3249.5	3127.2	3106.8	3342.7	3371.8	3438.8
30°	2737.0	2713.7	2684.6	2594.4	2492.4	2530.3	2856.4	2905.9	2981.6
32.5°	2113.9	2099.4	2090.6	2009.1	1918.8	2044.0	2416.7	2480.8	2556.5
35°	1595.6	1563.6	1586.9	1525.7	1444.2	1601.5	2012.0	2067.3	2128.5
37.5°	1176.3	1153.0	1173.4	1129.8	1057.0	1228.8	1616.0	1651.0	1691.7
40°	844.4	824.0	841.5	815.3	757.1	917.2	1266.6	1304.5	1321.9
42.5°	599.8	564.9	582.3	562.0	532.8	690.1	995.8	1030.8	1036.6
45°	378.5	366.9	378.5	366.9	361.1	512.5	786.2	818.2	832.8
47.5°	230.0	215.5	215.5	209.6	215.5	378.5	649.3	695.9	719.2
50°	131.0	125.2	122.3	119.4	131.0	297.0	562.0	614.4	643.5
52.5°	87.4	84.4	84.4	81.5	96.1	250.4	506.6	553.2	582.3
55°	64.1	61.1	61.1	61.1	75.7	215.5	465.9	503.7	529.9
57.5°	49.5	49.5	49.5	46.6	64.1	183.4	416.4	436.8	457.1
60°	40.8	37.9	37.9	37.9	52.4	157.2	358.1	366.9	378.5
62.5°	32.0	32.0	32.0	32.0	43.7	139.8	308.6	308.6	314.5
65°	29.1	26.2	26.2	26.2	37.9	122.3	259.1	256.2	262.1
67.5°	23.3	23.3	23.3	23.3	32.0	104.8	212.6	209.6	215.5
70°	20.4	20.4	20.4	20.4	26.2	87.4	171.8	168.9	174.7
72.5°	17.5	17.5	17.5	17.5	23.3	72.8	136.9	136.9	139.8
75°	14.6	14.6	14.6	14.6	20.4	55.3	110.6	110.6	113.6
77.5°	11.6	11.6	11.6	11.6	14.6	43.7	84.4	81.5	81.5
80°	5.8	8.7	8.7	8.7	11.6	32.0	61.1	55.3	55.3
82.5°	2.9	5.8	5.8	5.8	11.6	23.3	40.8	37.9	37.9
85°	2.9	2.9	2.9	8.7	11.6	17.5	26.2	26.2	26.2
87.5°	0.0	2.9	5.8	11.6	14.6	14.6	17.5	14.6	14.6
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)