

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: P800053

Luminaire Tested: **LD6C70D010 EU6709040 6LBMDDWWMH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P800053
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: LD6C70D010 EU6709040 6LBMDDWWMH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

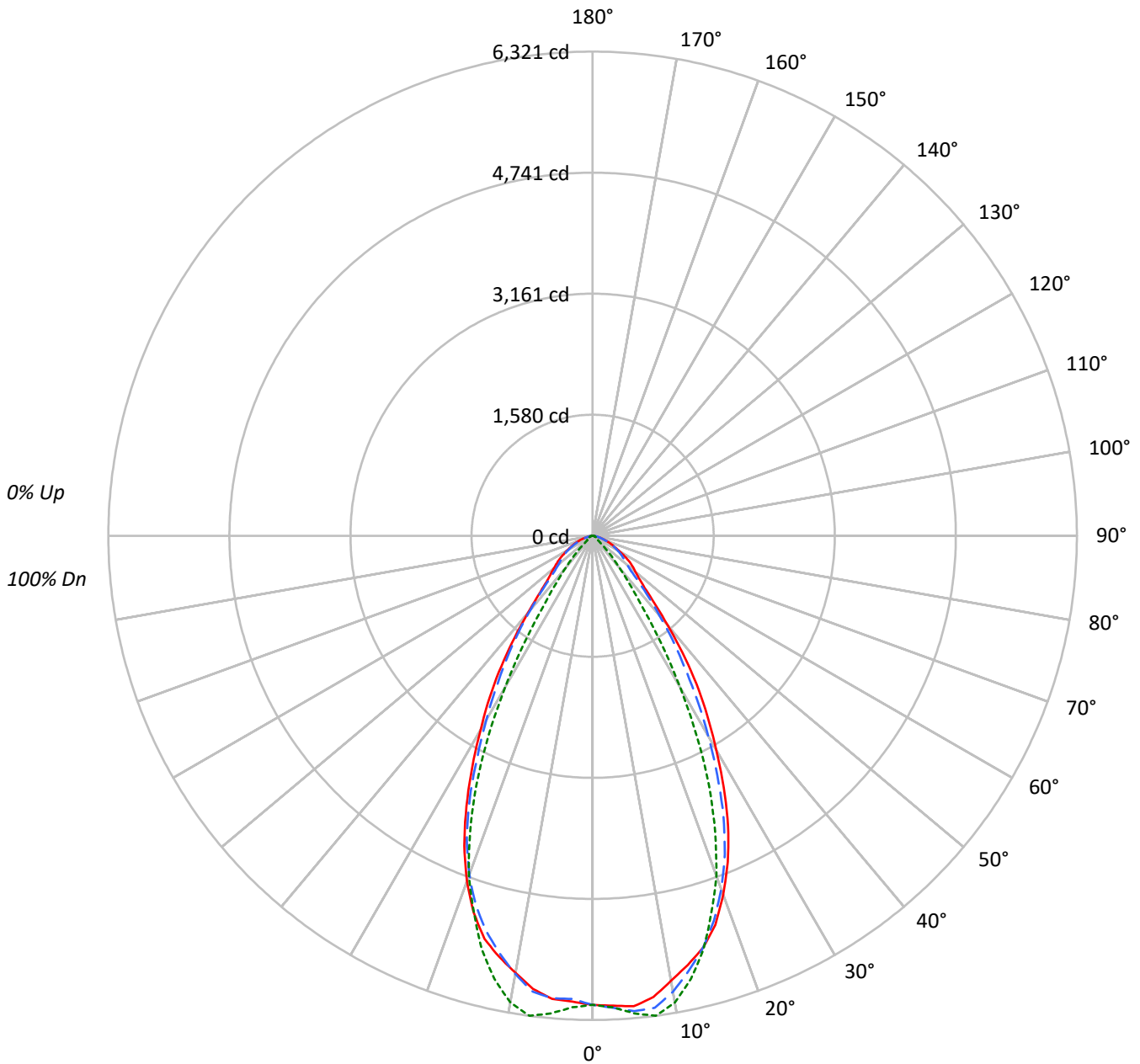
Lumens per Lamp: N/A
Luminaire Lumens: 6235.0 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	335741	335741	335741
5°	339252	344397	333936
10°	328262	344388	322539
15°	315938	317175	309219
20°	290776	275509	279873
25°	253061	217259	235725
30°	204095	144345	185161
35°	158233	74425	139053
40°	108568	38565	93633
45°	74388	19320	65689
50°	61900	8239	56322
55°	55673	7149	50321
60°	44064	6831	42014
65°	36372	6058	35957
70°	29460	5498	29460
75°	21774	5931	23087
80°	12786	4925	13764
85°	9812	5850	9812



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	583.0	9.4
10°-20°	1530.1	24.5
20°-30°	1746.6	28.0
30°-40°	1158.3	18.6
40°-50°	558.7	9.0
50°-60°	343.7	5.5
60°-70°	207.9	3.3
70°-80°	87.5	1.4
80°-90°	19.3	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°	3859.7	61.9
0°-40°	5018.0	80.5
0°-60°	5920.3	95.0
0°-90°	6235.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6235.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6124	6124	6124	6124	6124	
5°	6165	6230	6258	6059	6068	579
15°	5567	5567	5589	5352	5448	1551
25°	4184	4044	3592	3800	3897	1897
35°	2364	2084	1112	1944	2078	1462
45°	960	841	249	785	847	782
55°	582	474	75	474	526	512
65°	280	268	47	252	277	282
75°	103	103	28	97	109	110
85°	16	22	9	16	16	20
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°	6124.4	6124.4	6124.4	6124.4	6124.4	6124.4	6124.4	6124.4	6124.4
2.5°	6140.0	6149.3	6168.0	6171.1	6161.8	6102.6	6052.8	6071.5	6087.0
5°	6164.9	6183.6	6230.3	6273.9	6258.4	6158.7	6059.0	6055.9	6068.3
7.5°	6074.6	6118.2	6214.8	6323.8	6320.7	6149.3	6002.9	5965.5	5965.5
10°	5897.0	5937.5	6043.4	6189.8	6186.7	5971.8	5809.8	5791.1	5794.2
12.5°	5738.1	5756.8	5809.8	5925.0	5925.0	5713.2	5588.6	5607.3	5632.2
15°	5566.8	5579.3	5566.8	5604.2	5588.6	5414.2	5351.9	5411.0	5448.4
17.5°	5323.8	5330.0	5264.6	5214.8	5155.6	5046.6	5062.1	5149.4	5158.7
20°	4984.3	5024.8	4906.4	4778.7	4722.6	4619.8	4707.0	4803.6	4797.4
22.5°	4610.4	4657.2	4504.5	4292.7	4177.4	4136.9	4292.7	4379.9	4376.8
25°	4183.7	4217.9	4043.5	3747.5	3591.8	3585.6	3800.5	3890.8	3897.1
27.5°	3703.9	3716.4	3520.1	3133.9	2940.7	2987.4	3258.5	3383.1	3398.6
30°	3224.2	3218.0	3015.5	2535.7	2280.3	2408.0	2772.5	2909.6	2925.1
32.5°	2785.0	2766.3	2535.7	1962.6	1657.3	1847.3	2327.0	2470.3	2495.2
35°	2364.4	2333.3	2084.0	1451.7	1112.1	1395.6	1943.9	2068.5	2077.8
37.5°	1925.2	1909.6	1713.3	1087.2	775.7	1059.2	1585.6	1676.0	1666.6
40°	1517.1	1517.1	1355.1	806.8	538.9	788.1	1255.4	1336.4	1308.4
42.5°	1190.0	1205.6	1068.5	595.0	383.2	585.7	993.7	1068.5	1037.4
45°	959.5	959.5	841.1	442.4	249.2	436.1	785.0	853.6	847.3
47.5°	813.1	800.6	682.2	324.0	137.1	327.1	660.4	744.5	741.4
50°	725.8	707.1	585.7	255.4	96.6	271.0	579.4	657.3	660.4
52.5°	657.3	629.3	526.5	227.4	84.1	236.8	526.5	588.8	588.8
55°	582.5	567.0	473.5	202.5	74.8	211.8	473.5	529.6	526.5
57.5°	492.2	489.1	423.7	183.8	68.5	186.9	423.7	457.9	445.5
60°	401.9	414.3	367.6	165.1	62.3	168.2	361.4	389.4	383.2
62.5°	336.4	352.0	320.9	146.4	53.0	149.5	305.3	333.3	327.1
65°	280.4	292.8	267.9	124.6	46.7	124.6	252.3	277.2	277.2
67.5°	230.5	239.9	221.2	102.8	40.5	102.8	205.6	227.4	230.5
70°	183.8	190.0	174.4	81.0	34.3	84.1	162.0	183.8	183.8
72.5°	143.3	146.4	137.1	65.4	31.2	65.4	124.6	143.3	143.3
75°	102.8	109.0	102.8	49.8	28.0	49.8	96.6	105.9	109.0
77.5°	59.2	74.8	74.8	40.5	21.8	37.4	68.5	71.6	71.6
80°	40.5	46.7	53.0	28.0	15.6	28.0	43.6	46.7	43.6
82.5°	28.0	31.2	31.2	18.7	12.5	18.7	28.0	31.2	28.0
85°	15.6	21.8	21.8	15.6	9.3	12.5	15.6	18.7	15.6
87.5°	9.3	12.5	15.6	12.5	9.3	9.3	9.3	9.3	6.2
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)