

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: P800061

Luminaire Tested: **LD6C70D010 EU6709050 6LBMDDWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P800061
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 EU6709050 6LBMDDWH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

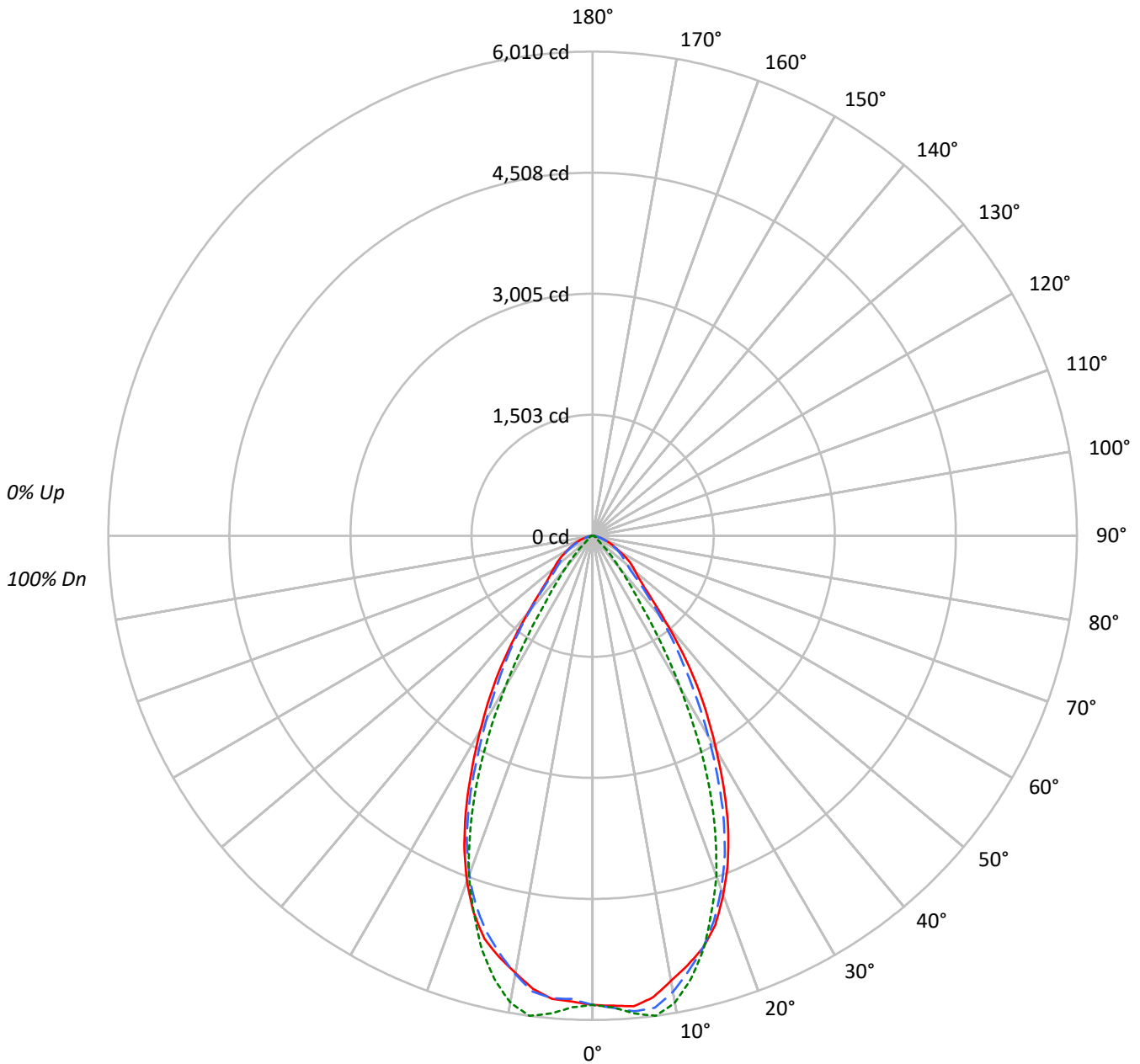
Lumens per Lamp: N/A
Luminaire Lumens: 5929.0 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P800061

CATALOG NUMBER: LD6C70D010 EU6709050 6LBMDDWH

Luminous Intensity Polar Plot





TEST NUMBER: P800061

CATALOG NUMBER: LD6C70D010 EU6709050 6LBMDDWH

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°	319262	319262	319262
5°	322605	327492	317548
10°	312152	327488	306708
15°	300433	301608	294043
20°	276501	261986	266134
25°	240637	206595	224154
30°	194080	137262	176078
35°	150470	70771	132227
40°	103236	36676	89038
45°	70736	18374	62464
50°	58864	7829	53559
55°	52940	6795	47845
60°	41894	6491	39953
65°	34582	5759	34193
70°	28018	5225	28018
75°	20715	5655	21965
80°	12154	4672	13101
85°	9309	5598	9309



TEST NUMBER: P800061

CATALOG NUMBER: LD6C70D010 EU6709050 6LBMDDWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	554.4	9.4
10°-20°	1455.0	24.5
20°-30°	1660.8	28.0
30°-40°	1101.4	18.6
40°-50°	531.2	9.0
50°-60°	326.8	5.5
60°-70°	197.7	3.3
70°-80°	83.2	1.4
80°-90°	18.4	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°	3670.3	61.9
0°-40°	4771.7	80.5
0°-60°	5629.7	95.0
0°-90°	5929.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5929.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5824	5824	5824	5824	5824	
5°	5862	5925	5951	5762	5770	551
15°	5294	5294	5314	5089	5181	1475
25°	3978	3845	3416	3614	3706	1804
35°	2248	1982	1058	1848	1976	1391
45°	912	800	237	746	806	744
55°	554	450	71	450	501	487
65°	267	255	44	240	264	268
75°	98	98	27	92	104	104
85°	15	21	9	15	15	19
90°	0	0	0	0	0	



TEST NUMBER: P800061

CATALOG NUMBER: LD6C70D010 EU6709050 6LBMDDWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	5823.8	5823.8	5823.8	5823.8	5823.8	5823.8	5823.8	5823.8	5823.8
2.5°	5838.7	5847.5	5865.3	5868.3	5859.4	5803.1	5755.7	5773.5	5788.3
5°	5862.4	5880.1	5924.6	5966.0	5951.2	5856.4	5761.6	5758.7	5770.5
7.5°	5776.4	5817.9	5909.7	6013.4	6010.5	5847.5	5708.3	5672.8	5672.8
10°	5607.6	5646.1	5746.8	5886.1	5883.1	5678.7	5524.7	5506.9	5509.8
12.5°	5456.5	5474.3	5524.7	5634.3	5634.3	5432.8	5314.3	5332.1	5355.8
15°	5293.6	5305.4	5293.6	5329.1	5314.3	5148.4	5089.2	5145.5	5181.0
17.5°	5062.5	5068.5	5006.3	4958.9	4902.6	4798.9	4813.7	4896.6	4905.5
20°	4739.6	4778.2	4665.6	4544.1	4490.8	4393.1	4476.0	4567.8	4561.9
22.5°	4384.2	4428.6	4283.5	4082.0	3972.4	3933.9	4082.0	4165.0	4162.0
25°	3978.3	4010.9	3845.0	3563.6	3415.5	3409.6	3614.0	3699.9	3705.8
27.5°	3522.2	3534.0	3347.4	2980.1	2796.4	2840.8	3098.5	3217.0	3231.8
30°	3066.0	3060.0	2867.5	2411.3	2168.4	2289.8	2636.4	2766.8	2781.6
32.5°	2648.3	2630.5	2411.3	1866.2	1575.9	1756.6	2212.8	2349.1	2372.8
35°	2248.4	2218.7	1981.8	1380.4	1057.5	1327.1	1848.5	1967.0	1975.8
37.5°	1830.7	1815.9	1629.3	1033.8	737.6	1007.2	1507.8	1593.7	1584.8
40°	1442.6	1442.6	1288.6	767.2	512.5	749.5	1193.8	1270.8	1244.2
42.5°	1131.6	1146.4	1016.1	565.8	364.4	556.9	945.0	1016.1	986.4
45°	912.4	912.4	799.8	420.6	237.0	414.7	746.5	811.7	805.7
47.5°	773.2	761.3	648.7	308.1	130.3	311.0	628.0	708.0	705.0
50°	690.2	672.4	556.9	242.9	91.8	257.7	551.0	625.0	628.0
52.5°	625.0	598.4	500.6	216.2	80.0	225.1	500.6	559.9	559.9
55°	553.9	539.1	450.3	192.5	71.1	201.4	450.3	503.6	500.6
57.5°	468.0	465.1	402.9	174.8	65.2	177.7	402.9	435.5	423.6
60°	382.1	394.0	349.5	157.0	59.2	160.0	343.6	370.3	364.4
62.5°	319.9	334.7	305.1	139.2	50.4	142.2	290.3	317.0	311.0
65°	266.6	278.5	254.8	118.5	44.4	118.5	239.9	263.6	263.6
67.5°	219.2	228.1	210.3	97.8	38.5	97.8	195.5	216.2	219.2
70°	174.8	180.7	165.9	77.0	32.6	80.0	154.0	174.8	174.8
72.5°	136.3	139.2	130.3	62.2	29.6	62.2	118.5	136.3	136.3
75°	97.8	103.7	97.8	47.4	26.7	47.4	91.8	100.7	103.7
77.5°	56.3	71.1	71.1	38.5	20.7	35.5	65.2	68.1	68.1
80°	38.5	44.4	50.4	26.7	14.8	26.7	41.5	44.4	41.5
82.5°	26.7	29.6	29.6	17.8	11.8	17.8	26.7	29.6	26.7
85°	14.8	20.7	20.7	14.8	8.9	11.8	14.8	17.8	14.8
87.5°	8.9	11.8	14.8	11.8	8.9	8.9	8.9	8.9	5.9
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)