

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: P799938

Luminaire Tested: **LD6C60D010 EU6609040 6LBMDSWWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799938
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: LD6C60D010 EU6609040 6LBMDSWWH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

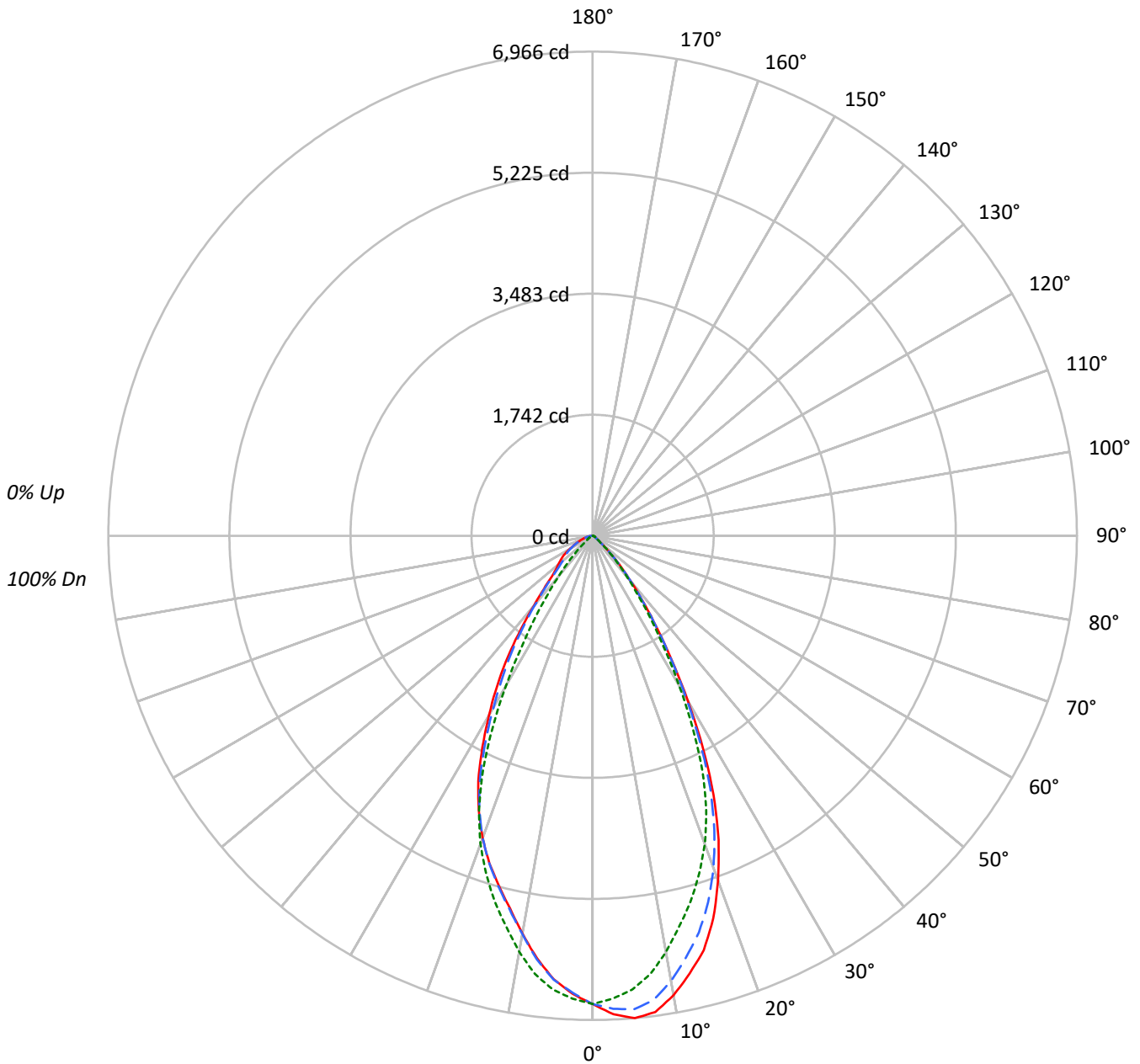
Lumens per Lamp: N/A
Luminaire Lumens: 5800.0 lumens
Efficiency: N/A
Efficacy: 80.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 72
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: P799938

CATALOG NUMBER: LD6C60D010 EU6609040 6LBMDSWWH

Luminous Intensity Polar Plot





TEST NUMBER: P799938

CATALOG NUMBER: LD6C60D010 EU6609040 6LBMDSWWH

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°	369302	369302	369302
5°	383347	360636	352481
10°	373546	338276	323391
15°	350331	309099	295739
20°	307554	275171	269914
25°	248742	226065	235381
30°	172932	157474	188383
35°	106582	96470	142171
40°	60313	54073	94420
45°	29290	27941	64441
50°	11155	11155	54779
55°	6107	7226	50550
60°	4462	5734	41422
65°	3775	4903	33934
70°	3254	4199	27953
75°	3071	4300	23998
80°	1831	3662	17426
85°	1824	7296	16480



TEST NUMBER: P799938

CATALOG NUMBER: LD6C60D010 EU6609040 6LBMDSWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	616.7	10.6
10°-20°	1550.0	26.7
20°-30°	1744.9	30.1
30°-40°	1080.5	18.6
40°-50°	430.3	7.4
50°-60°	195.9	3.4
60°-70°	112.6	1.9
70°-80°	53.5	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°	3911.7	67.4
0°-40°	4992.2	86.1
0°-60°	5618.3	96.9
0°-90°	5800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5800.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6737	6737	6737	6737	6737	
5°	6966	6838	6554	6411	6405	656
15°	6173	5905	5446	5225	5211	1708
25°	4112	4002	3737	3830	3891	1849
35°	1593	1584	1442	2008	2124	1024
45°	378	378	360	785	831	320
55°	64	61	76	465	529	63
65°	29	26	38	259	262	28
75°	14	14	20	110	113	15
85°	3	3	12	26	26	2
90°	0	0	0	0	0	



TEST NUMBER: P799938

CATALOG NUMBER: LD6C60D010 EU6609040 6LBMSWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	6736.6	6736.6	6736.6	6736.6	6736.6	6736.6	6736.6	6736.6	6736.6
2.5°	6890.7	6826.7	6812.2	6757.0	6664.0	6611.7	6579.7	6556.4	6597.1
5°	6966.2	6896.5	6838.3	6725.0	6553.5	6457.6	6411.1	6373.3	6405.3
7.5°	6911.0	6812.2	6733.7	6576.8	6358.8	6210.6	6146.7	6103.1	6132.1
10°	6710.5	6591.3	6501.2	6315.2	6076.9	5899.6	5821.2	5780.5	5809.5
12.5°	6448.9	6350.1	6213.5	6010.1	5754.3	5568.3	5510.2	5478.2	5489.9
15°	6172.8	6056.6	5905.4	5702.0	5446.3	5260.3	5225.4	5205.0	5210.9
17.5°	5771.8	5658.4	5527.6	5330.0	5094.6	4943.5	4943.5	4929.0	4937.7
20°	5271.9	5210.9	5083.0	4917.3	4716.8	4580.2	4623.8	4609.3	4626.7
22.5°	4731.3	4684.8	4574.4	4437.8	4269.2	4161.7	4257.6	4254.7	4278.0
25°	4112.3	4077.4	4001.9	3885.6	3737.4	3670.6	3830.4	3830.4	3891.4
27.5°	3429.3	3394.5	3342.2	3243.3	3121.3	3100.9	3336.3	3365.4	3432.2
30°	2731.9	2708.6	2679.5	2589.4	2487.7	2525.5	2851.0	2900.4	2976.0
32.5°	2109.9	2095.4	2086.7	2005.3	1915.2	2040.2	2412.2	2476.1	2551.7
35°	1592.6	1560.6	1583.9	1522.9	1441.5	1598.4	2008.2	2063.4	2124.4
37.5°	1174.1	1150.9	1171.2	1127.6	1055.0	1226.4	1613.0	1647.8	1688.5
40°	842.8	822.5	839.9	813.7	755.6	915.5	1264.2	1302.0	1319.4
42.5°	598.7	563.8	581.2	560.9	531.8	688.8	993.9	1028.8	1034.6
45°	377.8	366.2	377.8	366.2	360.4	511.5	784.7	816.6	831.2
47.5°	229.6	215.1	215.1	209.2	215.1	377.8	648.1	694.6	717.8
50°	130.8	125.0	122.1	119.2	130.8	296.4	560.9	613.2	642.3
52.5°	87.2	84.3	84.3	81.4	95.9	249.9	505.7	552.2	581.2
55°	63.9	61.0	61.0	61.0	75.6	215.1	465.0	502.8	528.9
57.5°	49.4	49.4	49.4	46.5	63.9	183.1	415.6	435.9	456.3
60°	40.7	37.8	37.8	37.8	52.3	156.9	357.5	366.2	377.8
62.5°	32.0	32.0	32.0	32.0	43.6	139.5	308.1	308.1	313.9
65°	29.1	26.2	26.2	26.2	37.8	122.1	258.7	255.7	261.6
67.5°	23.2	23.2	23.2	23.2	32.0	104.6	212.2	209.2	215.1
70°	20.3	20.3	20.3	20.3	26.2	87.2	171.5	168.6	174.4
72.5°	17.4	17.4	17.4	17.4	23.2	72.7	136.6	136.6	139.5
75°	14.5	14.5	14.5	14.5	20.3	55.2	110.4	110.4	113.3
77.5°	11.6	11.6	11.6	11.6	14.5	43.6	84.3	81.4	81.4
80°	5.8	8.7	8.7	8.7	11.6	32.0	61.0	55.2	55.2
82.5°	2.9	5.8	5.8	5.8	11.6	23.2	40.7	37.8	37.8
85°	2.9	2.9	2.9	8.7	11.6	17.4	26.2	26.2	26.2
87.5°	0.0	2.9	5.8	11.6	14.5	14.5	17.4	14.5	14.5
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)