

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: P799940

Luminaire Tested: **LD6C60D010 EU6609050 6LBMDDWGPB**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799940
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: LD6C60D010 EU6609050 6LBMDDWGPH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

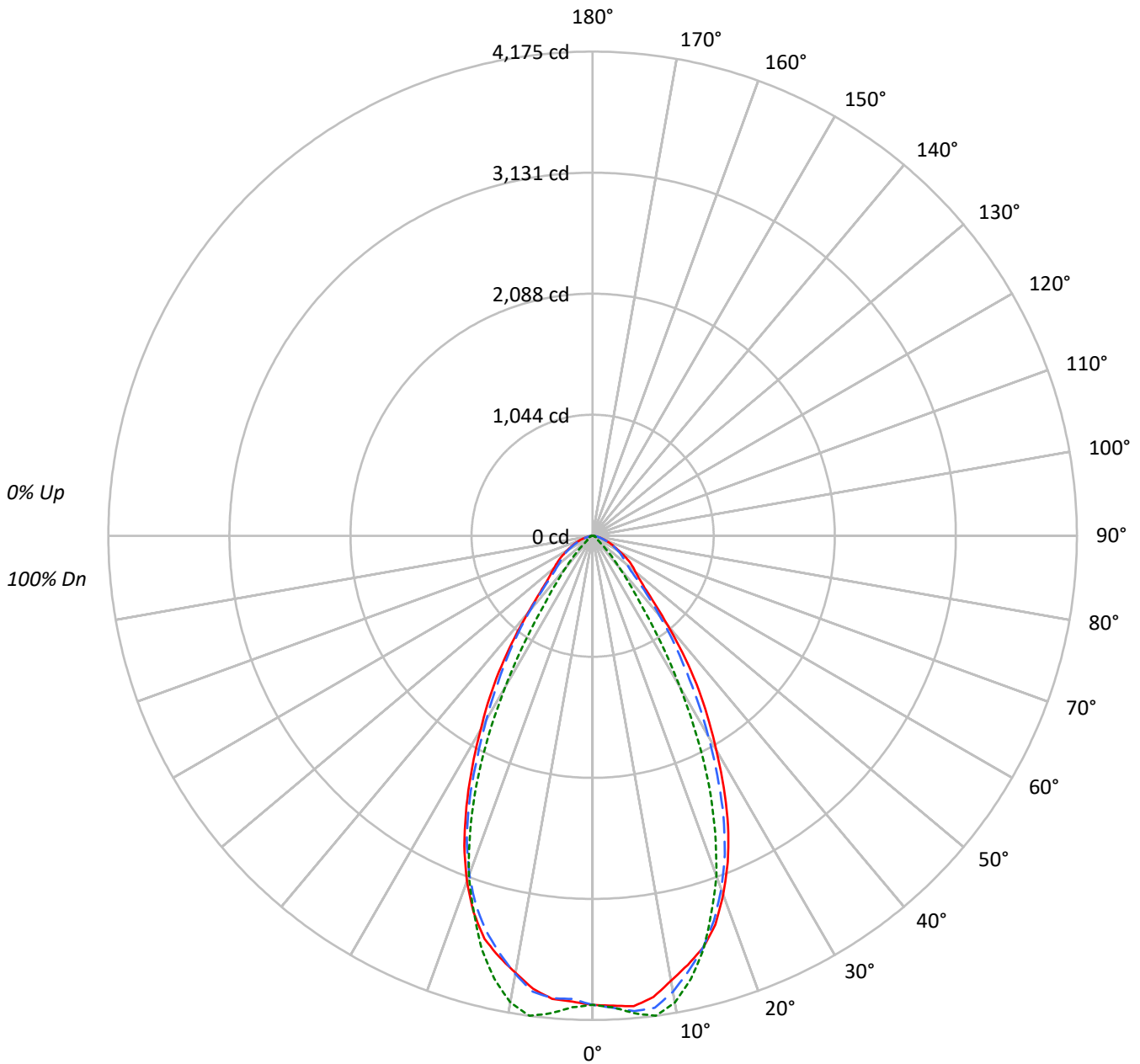
Lumens per Lamp: N/A
Luminaire Lumens: 4118.0 lumens
Efficiency: N/A
Efficacy: 57.2 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P799940

CATALOG NUMBER: LD6C60D010 EU6609050 6LBMDDWGPH

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°	221748	221748	221748
5°	224064	227459	220553
10°	216807	227456	213028
15°	208667	209485	204229
20°	192044	181963	184845
25°	167139	143488	155688
30°	134799	95337	122297
35°	104507	49155	91839
40°	71706	25469	61837
45°	49129	12761	43384
50°	40886	5441	37201
55°	36768	4721	33232
60°	29099	4506	27750
65°	24023	4008	23751
70°	19458	3622	19458
75°	14382	3918	15250
80°	8429	3252	9092
85°	6479	3900	6479



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.0	9.4
10°-20°	1010.6	24.5
20°-30°	1153.5	28.0
30°-40°	765.0	18.6
40°-50°	369.0	9.0
50°-60°	227.0	5.5
60°-70°	137.3	3.3
70°-80°	57.8	1.4
80°-90°	12.8	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°	2549.2	61.9
0°-40°	3314.2	80.5
0°-60°	3910.1	95.0
0°-90°	4118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4118.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4045	4045	4045	4045	4045	
5°	4072	4115	4133	4002	4008	383
15°	3677	3677	3691	3535	3598	1025
25°	2763	2671	2372	2510	2574	1253
35°	1562	1376	734	1284	1372	966
45°	634	556	165	518	560	517
55°	385	313	49	313	348	338
65°	185	177	31	167	183	186
75°	68	68	18	64	72	73
85°	10	14	6	10	10	13
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°	4045.0	4045.0	4045.0	4045.0	4045.0	4045.0	4045.0	4045.0	4045.0
2.5°	4055.3	4061.4	4073.8	4075.8	4069.7	4030.6	3997.6	4010.0	4020.3
5°	4071.7	4084.1	4114.9	4143.7	4133.4	4067.6	4001.8	3999.7	4007.9
7.5°	4012.0	4040.8	4104.6	4176.6	4174.6	4061.4	3964.7	3940.0	3940.0
10°	3894.8	3921.5	3991.5	4088.2	4086.1	3944.1	3837.2	3824.8	3826.9
12.5°	3789.8	3802.2	3837.2	3913.3	3913.3	3773.4	3691.1	3703.4	3719.9
15°	3676.7	3684.9	3676.7	3701.4	3691.1	3575.9	3534.7	3573.8	3598.5
17.5°	3516.2	3520.3	3477.1	3444.2	3405.1	3333.1	3343.4	3401.0	3407.2
20°	3291.9	3318.7	3240.5	3156.1	3119.1	3051.2	3108.8	3172.6	3168.5
22.5°	3045.0	3075.9	2975.1	2835.2	2759.1	2732.3	2835.2	2892.8	2890.7
25°	2763.2	2785.8	2670.6	2475.1	2372.2	2368.1	2510.1	2569.8	2573.9
27.5°	2446.3	2454.5	2324.9	2069.8	1942.2	1973.1	2152.1	2234.4	2244.7
30°	2129.5	2125.4	1991.6	1674.8	1506.1	1590.4	1831.1	1921.7	1932.0
32.5°	1839.4	1827.0	1674.8	1296.2	1094.6	1220.1	1536.9	1631.6	1648.0
35°	1561.6	1541.0	1376.4	958.8	734.5	921.7	1283.9	1366.2	1372.3
37.5°	1271.5	1261.2	1131.6	718.1	512.3	699.5	1047.2	1106.9	1100.7
40°	1002.0	1002.0	895.0	532.9	355.9	520.5	829.2	882.6	864.1
42.5°	785.9	796.2	705.7	393.0	253.1	386.8	656.3	705.7	685.1
45°	633.7	633.7	555.5	292.2	164.6	288.0	518.5	563.7	559.6
47.5°	537.0	528.8	450.6	214.0	90.5	216.0	436.2	491.7	489.7
50°	479.4	467.0	386.8	168.7	63.8	179.0	382.7	434.1	436.2
52.5°	434.1	415.6	347.7	150.2	55.6	156.4	347.7	388.9	388.9
55°	384.7	374.5	312.7	133.7	49.4	139.9	312.7	349.8	347.7
57.5°	325.1	323.0	279.8	121.4	45.3	123.4	279.8	302.4	294.2
60°	265.4	273.6	242.8	109.0	41.1	111.1	238.7	257.2	253.1
62.5°	222.2	232.5	211.9	96.7	35.0	98.8	201.6	220.1	216.0
65°	185.2	193.4	176.9	82.3	30.9	82.3	166.7	183.1	183.1
67.5°	152.3	158.4	146.1	67.9	26.7	67.9	135.8	150.2	152.3
70°	121.4	125.5	115.2	53.5	22.6	55.6	107.0	121.4	121.4
72.5°	94.6	96.7	90.5	43.2	20.6	43.2	82.3	94.6	94.6
75°	67.9	72.0	67.9	32.9	18.5	32.9	63.8	70.0	72.0
77.5°	39.1	49.4	49.4	26.7	14.4	24.7	45.3	47.3	47.3
80°	26.7	30.9	35.0	18.5	10.3	18.5	28.8	30.9	28.8
82.5°	18.5	20.6	20.6	12.3	8.2	12.3	18.5	20.6	18.5
85°	10.3	14.4	14.4	10.3	6.2	8.2	10.3	12.3	10.3
87.5°	6.2	8.2	10.3	8.2	6.2	6.2	6.2	6.2	4.1
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)