

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: P799928

Luminaire Tested: **LD6C60D010 EU6609040 6LBMDDWGPB**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799928  
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 EU6609040 6LBMDDWGPH  
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH GPH FINISH  
Light Source: -  
Ballast/Driver: -

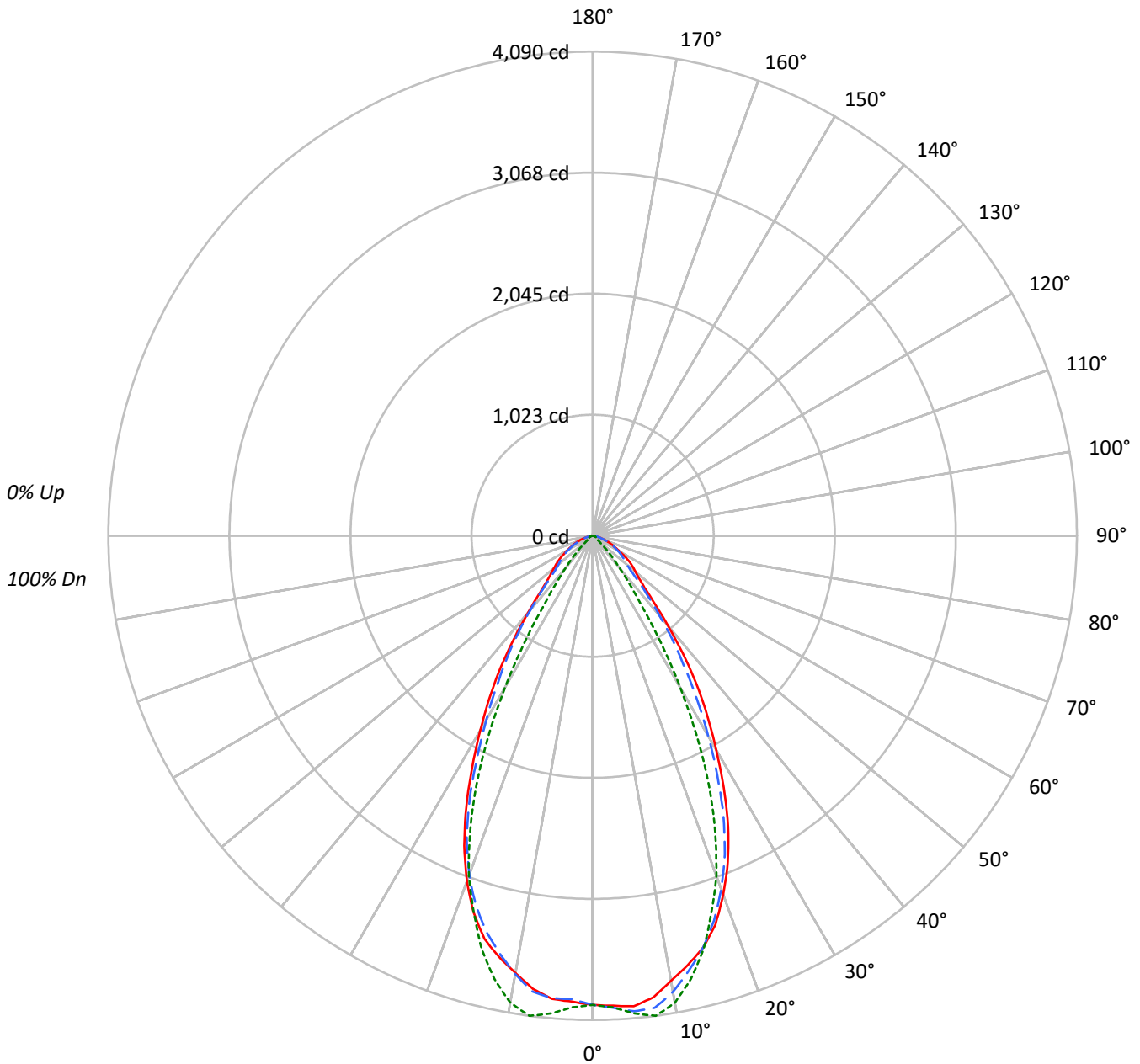
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4035.0 lumens  
Efficiency: N/A  
Efficacy: 56.0 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): 72  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P799928

CATALOG NUMBER: LD6C60D010 EU6609040 6LBMDDWGPB

### Luminous Intensity Polar Plot





TEST NUMBER: P799928

CATALOG NUMBER: LD6C60D010 EU6609040 6LBMDDWGPH

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				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°	217274	217274	217274
5°	219546	222875	216107
10°	212438	222875	208730
15°	204462	205262	200115
20°	188176	178294	181117
25°	163770	140597	152549
30°	132077	93413	119829
35°	102399	48165	89991
40°	70260	24961	60592
45°	48137	12505	42508
50°	40058	5330	36451
55°	36032	4626	32563
60°	28517	4419	27191
65°	23530	3917	23271
70°	19058	3558	19058
75°	14085	3834	14954
80°	8271	3189	8903
85°	6353	3774	6353



TEST NUMBER: P799928

CATALOG NUMBER: LD6C60D010 EU6609040 6LBMDDWGPH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	377.3	9.4
10°-20°	990.2	24.5
20°-30°	1130.3	28.0
30°-40°	749.6	18.6
40°-50°	361.5	9.0
50°-60°	222.4	5.5
60°-70°	134.6	3.3
70°-80°	56.6	1.4
80°-90°	12.5	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°	2497.8	61.9
0°-40°	3247.4	80.5
0°-60°	3831.3	95.0
0°-90°	4035.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4035.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	3963	3963	3963	3963	3963	
5°	3990	4032	4050	3921	3927	375
15°	3603	3603	3617	3464	3526	1004
25°	2708	2617	2324	2460	2522	1228
35°	1530	1349	720	1258	1345	946
45°	621	544	161	508	548	506
55°	377	306	48	306	341	331
65°	181	173	30	163	179	182
75°	66	66	18	62	71	71
85°	10	14	6	10	10	13
90°	0	0	0	0	0	



TEST NUMBER: P799928

CATALOG NUMBER: LD6C60D010 EU6609040 6LBMDDWGPH

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	3963.4	3963.4	3963.4	3963.4	3963.4	3963.4	3963.4	3963.4	3963.4
2.5°	3973.5	3979.6	3991.7	3993.7	3987.6	3949.3	3917.1	3929.2	3939.2
5°	3989.6	4001.7	4032.0	4060.2	4050.1	3985.6	3921.1	3919.1	3927.1
7.5°	3931.2	3959.4	4021.9	4092.5	4090.4	3979.6	3884.8	3860.6	3860.6
10°	3816.3	3842.5	3911.0	4005.8	4003.8	3864.7	3759.8	3747.7	3749.7
12.5°	3713.5	3725.5	3759.8	3834.4	3834.4	3697.3	3616.7	3628.8	3644.9
15°	3602.6	3610.6	3602.6	3626.8	3616.7	3503.8	3463.5	3501.8	3526.0
17.5°	3445.3	3449.4	3407.0	3374.8	3336.5	3265.9	3276.0	3332.4	3338.5
20°	3225.6	3251.8	3175.2	3092.5	3056.2	2989.7	3046.2	3108.7	3104.6
22.5°	2983.7	3013.9	2915.1	2778.0	2703.4	2677.2	2778.0	2834.5	2832.5
25°	2707.5	2729.6	2616.8	2425.2	2324.4	2320.4	2459.5	2518.0	2522.0
27.5°	2397.0	2405.1	2278.1	2028.1	1903.1	1933.3	2108.7	2189.4	2199.4
30°	2086.5	2082.5	1951.5	1641.0	1475.7	1558.4	1794.2	1882.9	1893.0
32.5°	1802.3	1790.2	1641.0	1270.1	1072.5	1195.5	1505.9	1598.7	1614.8
35°	1530.1	1510.0	1348.7	939.5	719.7	903.2	1258.0	1338.6	1344.7
37.5°	1245.9	1235.8	1108.8	703.6	502.0	685.4	1026.1	1084.6	1078.6
40°	981.8	981.8	877.0	522.1	348.8	510.0	812.4	864.9	846.7
42.5°	770.1	780.2	691.5	385.1	248.0	379.0	643.1	691.5	671.3
45°	620.9	620.9	544.3	286.3	161.3	282.2	508.0	552.4	548.3
47.5°	526.2	518.1	441.5	209.7	88.7	211.7	427.4	481.8	479.8
50°	469.7	457.6	379.0	165.3	62.5	175.4	375.0	425.4	427.4
52.5°	425.4	407.2	340.7	147.2	54.4	153.2	340.7	381.0	381.0
55°	377.0	366.9	306.4	131.0	48.4	137.1	306.4	342.7	340.7
57.5°	318.5	316.5	274.2	118.9	44.4	121.0	274.2	296.4	288.3
60°	260.1	268.1	237.9	106.8	40.3	108.9	233.9	252.0	248.0
62.5°	217.7	227.8	207.6	94.8	34.3	96.8	197.6	215.7	211.7
65°	181.4	189.5	173.4	80.6	30.2	80.6	163.3	179.4	179.4
67.5°	149.2	155.2	143.1	66.5	26.2	66.5	133.1	147.2	149.2
70°	118.9	123.0	112.9	52.4	22.2	54.4	104.8	118.9	118.9
72.5°	92.7	94.8	88.7	42.3	20.2	42.3	80.6	92.7	92.7
75°	66.5	70.6	66.5	32.3	18.1	32.3	62.5	68.5	70.6
77.5°	38.3	48.4	48.4	26.2	14.1	24.2	44.4	46.4	46.4
80°	26.2	30.2	34.3	18.1	10.1	18.1	28.2	30.2	28.2
82.5°	18.1	20.2	20.2	12.1	8.1	12.1	18.1	20.2	18.1
85°	10.1	14.1	14.1	10.1	6.0	8.1	10.1	12.1	10.1
87.5°	6.0	8.1	10.1	8.1	6.0	6.0	6.0	6.0	4.0
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)