

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: P800024

Luminaire Tested: **LD6C70D010 EU6709030 6LBMDDWGPB**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P800024
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 EU6709030 6LBMDDWGPH
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

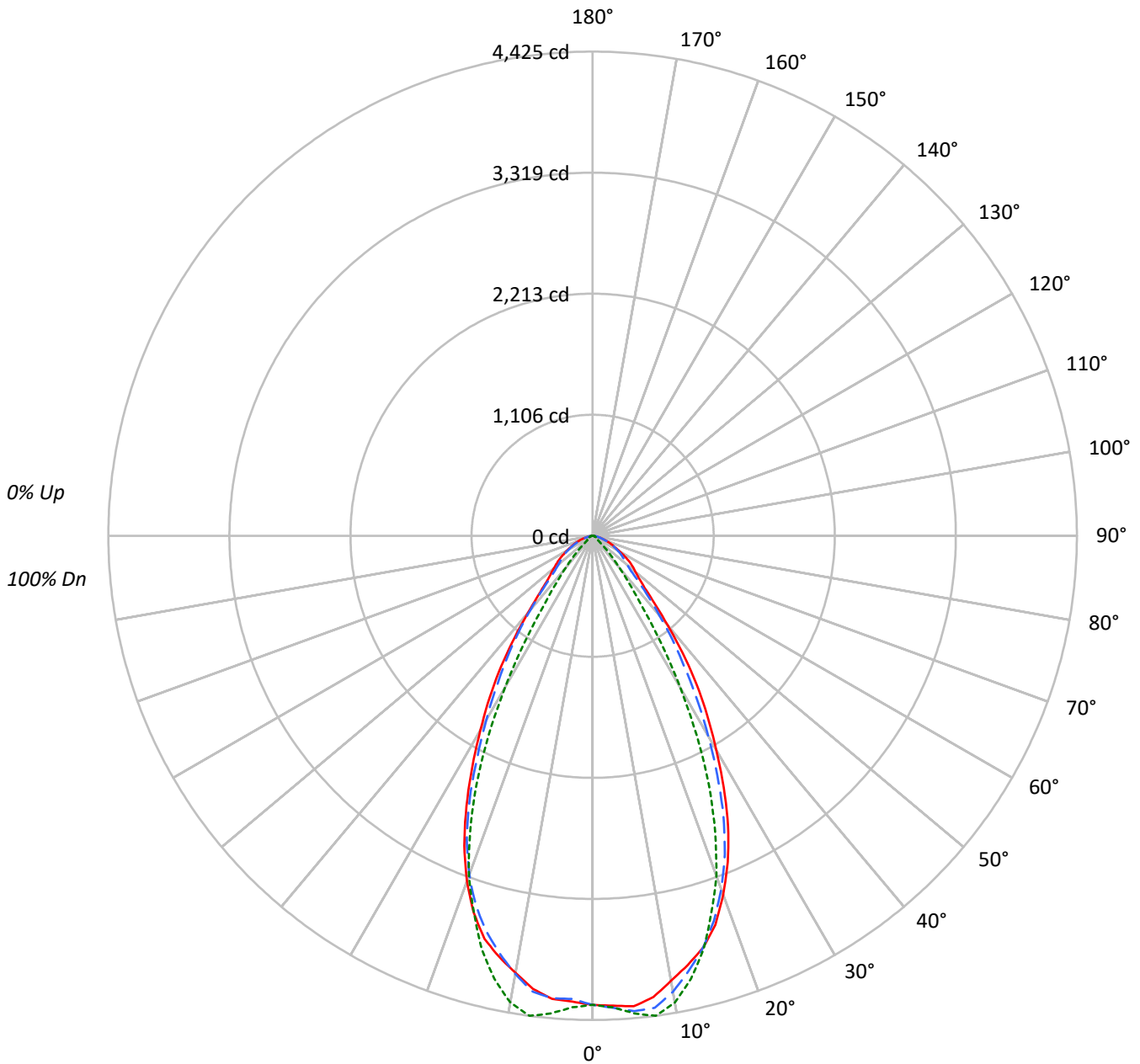
Lumens per Lamp: N/A
Luminaire Lumens: 4365.0 lumens
Efficiency: N/A
Efficacy: 56.0 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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					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°	235047	235047	235047
5°	237502	241107	233782
10°	229811	241100	225803
15°	221182	222050	216477
20°	203566	192878	195930
25°	177161	152095	165028
30°	142883	101054	129628
35°	110778	52106	97346
40°	76007	27001	65551
45°	52075	13529	45989
50°	43333	5765	39427
55°	38976	4999	35229
60°	30842	4780	29406
65°	25463	4242	25178
70°	20628	3847	20628
75°	15250	4151	16161
80°	8966	3441	9629
85°	6856	4088	6856



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	408.1	9.4
10°-20°	1071.2	24.5
20°-30°	1222.7	28.0
30°-40°	810.9	18.6
40°-50°	391.1	9.0
50°-60°	240.6	5.5
60°-70°	145.6	3.3
70°-80°	61.2	1.4
80°-90°	13.5	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°	2702.1	61.9
0°-40°	3513.0	80.5
0°-60°	4144.7	95.0
0°-90°	4365.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4365.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4288	4288	4288	4288	4288	
5°	4316	4362	4381	4242	4248	406
15°	3897	3897	3912	3747	3814	1086
25°	2929	2831	2514	2661	2728	1328
35°	1655	1459	779	1361	1455	1024
45°	672	589	174	550	593	548
55°	408	332	52	332	369	359
65°	196	188	33	177	194	197
75°	72	72	20	68	76	77
85°	11	15	6	11	11	14
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°	4287.6	4287.6	4287.6	4287.6	4287.6	4287.6	4287.6	4287.6	4287.6
2.5°	4298.5	4305.0	4318.1	4320.3	4313.8	4272.3	4237.4	4250.5	4261.4
5°	4315.9	4329.0	4361.7	4392.3	4381.4	4311.6	4241.8	4239.6	4248.3
7.5°	4252.7	4283.2	4350.8	4427.2	4425.0	4305.0	4202.5	4176.4	4176.4
10°	4128.4	4156.7	4230.9	4333.4	4331.2	4180.7	4067.3	4054.2	4056.4
12.5°	4017.2	4030.2	4067.3	4148.0	4148.0	3999.7	3912.5	3925.6	3943.0
15°	3897.2	3905.9	3897.2	3923.4	3912.5	3790.3	3746.7	3788.2	3814.3
17.5°	3727.1	3731.5	3685.7	3650.8	3609.3	3533.0	3543.9	3605.0	3611.5
20°	3489.4	3517.7	3434.9	3345.4	3306.2	3234.2	3295.3	3362.9	3358.5
22.5°	3227.7	3260.4	3153.5	3005.2	2924.5	2896.2	3005.2	3066.3	3064.1
25°	2928.9	2952.9	2830.8	2623.6	2514.5	2510.2	2660.7	2723.9	2728.3
27.5°	2593.0	2601.8	2464.4	2194.0	2058.7	2091.5	2281.2	2368.4	2379.3
30°	2257.2	2252.8	2111.1	1775.2	1596.4	1685.8	1941.0	2036.9	2047.8
32.5°	1949.7	1936.6	1775.2	1373.9	1160.2	1293.3	1629.1	1729.4	1746.9
35°	1655.3	1633.5	1459.0	1016.3	778.6	977.0	1360.9	1448.1	1454.6
37.5°	1347.8	1336.9	1199.5	761.1	543.0	741.5	1110.1	1173.3	1166.8
40°	1062.1	1062.1	948.7	564.8	377.3	551.8	878.9	935.6	916.0
42.5°	833.1	844.0	748.0	416.5	268.2	410.0	695.7	748.0	726.2
45°	671.7	671.7	588.8	309.7	174.5	305.3	549.6	597.6	593.2
47.5°	569.2	560.5	477.6	226.8	96.0	229.0	462.3	521.2	519.0
50°	508.1	495.1	410.0	178.8	67.6	189.7	405.6	460.2	462.3
52.5°	460.2	440.5	368.6	159.2	58.9	165.7	368.6	412.2	412.2
55°	407.8	396.9	331.5	141.8	52.3	148.3	331.5	370.7	368.6
57.5°	344.6	342.4	296.6	128.7	48.0	130.9	296.6	320.6	311.9
60°	281.3	290.1	257.3	115.6	43.6	117.8	253.0	272.6	268.2
62.5°	235.5	246.4	224.6	102.5	37.1	104.7	213.7	233.4	229.0
65°	196.3	205.0	187.6	87.2	32.7	87.2	176.7	194.1	194.1
67.5°	161.4	167.9	154.8	72.0	28.4	72.0	143.9	159.2	161.4
70°	128.7	133.0	122.1	56.7	24.0	58.9	113.4	128.7	128.7
72.5°	100.3	102.5	96.0	45.8	21.8	45.8	87.2	100.3	100.3
75°	72.0	76.3	72.0	34.9	19.6	34.9	67.6	74.1	76.3
77.5°	41.4	52.3	52.3	28.4	15.3	26.2	48.0	50.2	50.2
80°	28.4	32.7	37.1	19.6	10.9	19.6	30.5	32.7	30.5
82.5°	19.6	21.8	21.8	13.1	8.7	13.1	19.6	21.8	19.6
85°	10.9	15.3	15.3	10.9	6.5	8.7	10.9	13.1	10.9
87.5°	6.5	8.7	10.9	8.7	6.5	6.5	6.5	6.5	4.4
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)