

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: P799650

Luminaire Tested: **LD6C35D010 EU6359050 6LBMDSWWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799650
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: LD6C35D010 EU6359050 6LBMDSWWH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

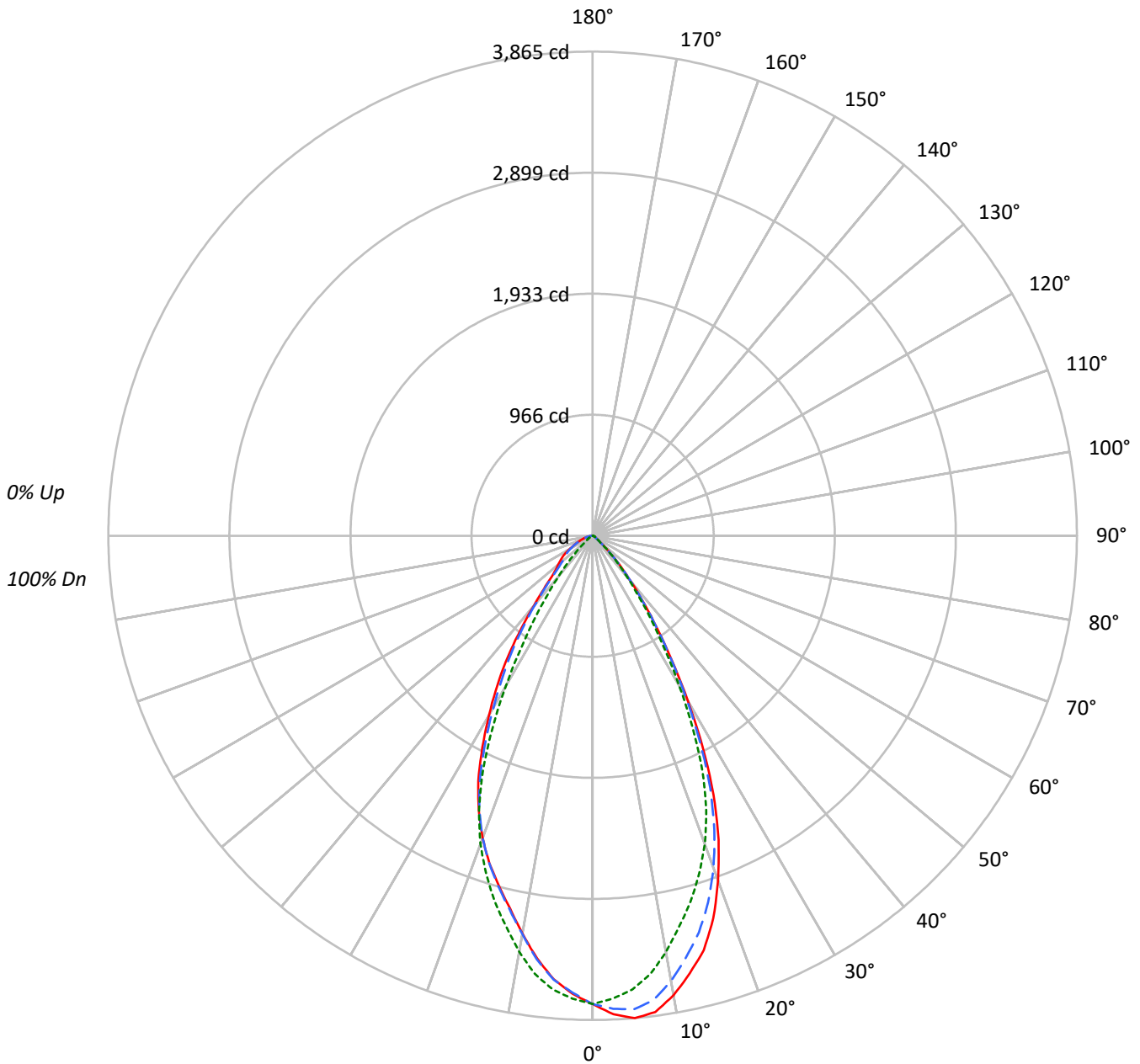
Lumens per Lamp: N/A
Luminaire Lumens: 3218.0 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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				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			100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92			92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85			85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78			78
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73			73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67			67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63			63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59			59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55			55
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52			52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49			49

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	204901	204901	204901
5°	212689	200093	195564
10°	207255	187683	179428
15°	194377	171494	164082
20°	170640	152672	149755
25°	138008	125427	130598
30°	95945	87374	104522
35°	59133	53525	78882
40°	33463	29999	52391
45°	16250	15498	35756
50°	6192	6192	30396
55°	3393	4005	28052
60°	2478	3180	22981
65°	2088	2724	18822
70°	1811	2324	15499
75°	1716	2393	13323
80°	1010	2020	9660
85°	1006	4026	9120



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.2	10.6
10°-20°	860.0	26.7
20°-30°	968.1	30.1
30°-40°	599.5	18.6
40°-50°	238.7	7.4
50°-60°	108.7	3.4
60°-70°	62.5	1.9
70°-80°	29.7	0.9
80°-90°	8.6	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°	2170.3	67.4
0°-40°	2769.8	86.1
0°-60°	3117.2	96.9
0°-90°	3218.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3218.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3738	3738	3738	3738	3738	
5°	3865	3794	3636	3557	3554	364
15°	3425	3276	3022	2899	2891	948
25°	2282	2220	2074	2125	2159	1026
35°	884	879	800	1114	1179	568
45°	210	210	200	435	461	178
55°	36	34	42	258	294	35
65°	16	14	21	144	145	16
75°	8	8	11	61	63	8
85°	2	2	6	14	14	1
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°	3737.7	3737.7	3737.7	3737.7	3737.7	3737.7	3737.7	3737.7	3737.7
2.5°	3823.1	3787.7	3779.6	3749.0	3697.4	3668.3	3650.6	3637.7	3660.3
5°	3865.0	3826.4	3794.1	3731.2	3636.1	3582.9	3557.1	3536.1	3553.8
7.5°	3834.4	3779.6	3736.1	3649.0	3528.0	3445.8	3410.3	3386.2	3402.3
10°	3723.2	3657.0	3607.1	3503.9	3371.6	3273.3	3229.7	3207.2	3223.3
12.5°	3578.0	3523.2	3447.4	3334.6	3192.7	3089.5	3057.2	3039.5	3045.9
15°	3424.9	3360.4	3276.5	3163.6	3021.7	2918.5	2899.2	2887.9	2891.1
17.5°	3202.3	3139.4	3066.9	2957.2	2826.6	2742.8	2742.8	2734.7	2739.6
20°	2925.0	2891.1	2820.2	2728.3	2617.0	2541.2	2565.4	2557.4	2567.0
22.5°	2625.1	2599.3	2538.0	2462.2	2368.7	2309.0	2362.2	2360.6	2373.5
25°	2281.6	2262.3	2220.3	2155.8	2073.6	2036.5	2125.2	2125.2	2159.1
27.5°	1902.7	1883.3	1854.3	1799.5	1731.8	1720.5	1851.1	1867.2	1904.3
30°	1515.7	1502.8	1486.7	1436.7	1380.3	1401.2	1581.8	1609.2	1651.2
32.5°	1170.6	1162.6	1157.7	1112.6	1062.6	1131.9	1338.3	1373.8	1415.7
35°	883.6	865.9	878.8	844.9	799.8	886.8	1114.2	1144.8	1178.7
37.5°	651.4	638.5	649.8	625.6	585.3	680.5	894.9	914.3	936.8
40°	467.6	456.3	466.0	451.5	419.2	507.9	701.4	722.4	732.1
42.5°	332.2	312.8	322.5	311.2	295.1	382.2	551.5	570.8	574.0
45°	209.6	203.2	209.6	203.2	199.9	283.8	435.4	453.1	461.2
47.5°	127.4	119.3	119.3	116.1	119.3	209.6	359.6	385.4	398.3
50°	72.6	69.3	67.7	66.1	72.6	164.5	311.2	340.2	356.4
52.5°	48.4	46.8	46.8	45.1	53.2	138.7	280.6	306.4	322.5
55°	35.5	33.9	33.9	33.9	41.9	119.3	258.0	279.0	293.5
57.5°	27.4	27.4	27.4	25.8	35.5	101.6	230.6	241.9	253.2
60°	22.6	21.0	21.0	21.0	29.0	87.1	198.3	203.2	209.6
62.5°	17.7	17.7	17.7	17.7	24.2	77.4	170.9	170.9	174.1
65°	16.1	14.5	14.5	14.5	21.0	67.7	143.5	141.9	145.1
67.5°	12.9	12.9	12.9	12.9	17.7	58.0	117.7	116.1	119.3
70°	11.3	11.3	11.3	11.3	14.5	48.4	95.1	93.5	96.7
72.5°	9.7	9.7	9.7	9.7	12.9	40.3	75.8	75.8	77.4
75°	8.1	8.1	8.1	8.1	11.3	30.6	61.3	61.3	62.9
77.5°	6.4	6.4	6.4	6.4	8.1	24.2	46.8	45.1	45.1
80°	3.2	4.8	4.8	4.8	6.4	17.7	33.9	30.6	30.6
82.5°	1.6	3.2	3.2	3.2	6.4	12.9	22.6	21.0	21.0
85°	1.6	1.6	1.6	4.8	6.4	9.7	14.5	14.5	14.5
87.5°	0.0	1.6	3.2	6.4	8.1	8.1	9.7	8.1	8.1
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)