

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: P799631

Luminaire Tested: **LD6C35D010 EU6359040 6LBMDDWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799631
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: LD6C35D010 EU6359040 6LBMDDWMW
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

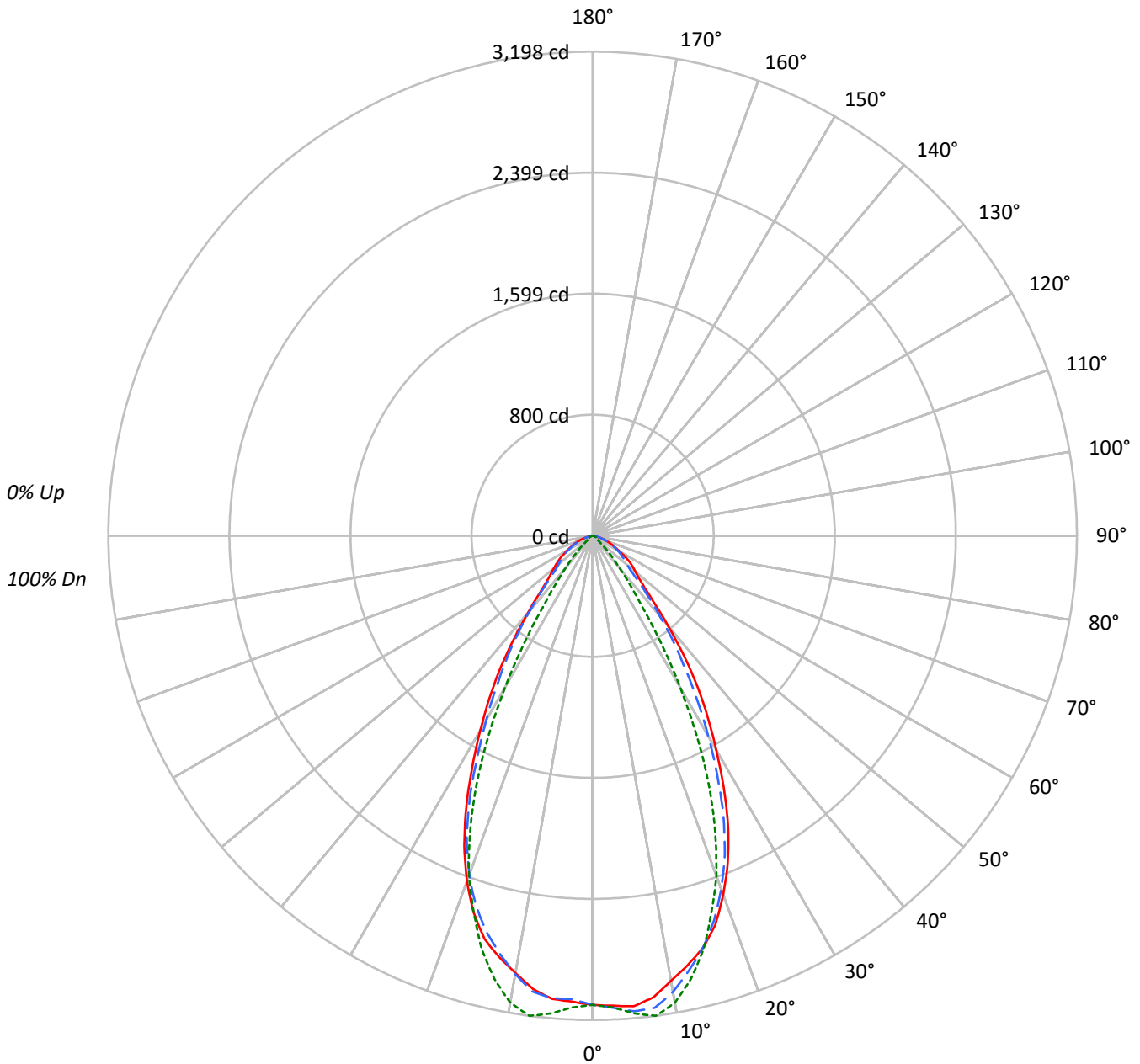
Lumens per Lamp: N/A
Luminaire Lumens: 3155.0 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P799631

CATALOG NUMBER: LD6C35D010 EU6359040 6LBMDDWMW

Luminous Intensity Polar Plot





TEST NUMBER: P799631

CATALOG NUMBER: LD6C35D010 EU6359040 6LBMDDWMW

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°	169888	169888	169888
5°	171665	174268	168979
10°	166107	174268	163212
15°	159870	160495	156471
20°	147135	139411	141616
25°	128052	109936	119281
30°	103275	73043	93698
35°	80067	37658	70363
40°	54939	19515	47382
45°	37640	9776	33244
50°	31325	4170	28502
55°	28176	3613	25461
60°	22290	3454	21259
65°	18407	3061	18199
70°	14906	2773	14906
75°	11014	3008	11692
80°	6472	2494	6977
85°	4969	2956	4969



TEST NUMBER: P799631

CATALOG NUMBER: LD6C35D010 EU6359040 6LBMDDWMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.0	9.4
10°-20°	774.3	24.5
20°-30°	883.8	28.0
30°-40°	586.1	18.6
40°-50°	282.7	9.0
50°-60°	173.9	5.5
60°-70°	105.2	3.3
70°-80°	44.3	1.4
80°-90°	9.8	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°	1953.1	61.9
0°-40°	2539.2	80.5
0°-60°	2995.7	95.0
0°-90°	3155.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3155.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3099	3099	3099	3099	3099	
5°	3120	3153	3167	3066	3071	293
15°	2817	2817	2828	2708	2757	785
25°	2117	2046	1818	1923	1972	960
35°	1196	1055	563	984	1051	740
45°	486	426	126	397	429	396
55°	295	240	38	240	266	259
65°	142	136	24	128	140	142
75°	52	52	14	49	55	56
85°	8	11	5	8	8	10
90°	0	0	0	0	0	



TEST NUMBER: P799631

CATALOG NUMBER: LD6C35D010 EU6359040 6LBMDDWMW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	3099.0	3099.0	3099.0	3099.0	3099.0	3099.0	3099.0	3099.0	3099.0
2.5°	3106.9	3111.7	3121.1	3122.7	3118.0	3088.0	3062.8	3072.2	3080.1
5°	3119.5	3129.0	3152.6	3174.7	3166.8	3116.4	3065.9	3064.4	3070.7
7.5°	3073.8	3095.9	3144.8	3199.9	3198.4	3111.7	3037.6	3018.7	3018.7
10°	2984.0	3004.5	3058.1	3132.1	3130.6	3021.8	2939.8	2930.4	2932.0
12.5°	2903.6	2913.0	2939.8	2998.2	2998.2	2891.0	2827.9	2837.4	2850.0
15°	2816.9	2823.2	2816.9	2835.8	2827.9	2739.6	2708.1	2738.1	2757.0
17.5°	2693.9	2697.1	2664.0	2638.8	2608.8	2553.6	2561.5	2605.7	2610.4
20°	2522.1	2542.6	2482.7	2418.1	2389.7	2337.7	2381.8	2430.7	2427.5
22.5°	2333.0	2356.6	2279.4	2172.2	2113.8	2093.4	2172.2	2216.3	2214.7
25°	2117.0	2134.3	2046.1	1896.3	1817.5	1814.3	1923.1	1968.8	1972.0
27.5°	1874.2	1880.5	1781.2	1585.8	1488.0	1511.7	1648.8	1711.9	1719.8
30°	1631.5	1628.3	1525.9	1283.1	1153.9	1218.5	1402.9	1472.3	1480.2
32.5°	1409.2	1399.8	1283.1	993.1	838.6	934.8	1177.5	1250.0	1262.6
35°	1196.4	1180.7	1054.6	734.6	562.7	706.2	983.6	1046.7	1051.4
37.5°	974.2	966.3	867.0	550.1	392.5	535.9	802.3	848.1	843.3
40°	767.7	767.7	685.7	408.3	272.7	398.8	635.3	676.2	662.1
42.5°	602.2	610.0	540.7	301.1	193.9	296.3	502.8	540.7	524.9
45°	485.5	485.5	425.6	223.8	126.1	220.7	397.2	431.9	428.8
47.5°	411.4	405.1	345.2	163.9	69.4	165.5	334.2	376.7	375.2
50°	367.3	357.8	296.3	129.3	48.9	137.1	293.2	332.6	334.2
52.5°	332.6	318.4	266.4	115.1	42.6	119.8	266.4	297.9	297.9
55°	294.8	286.9	239.6	102.5	37.8	107.2	239.6	268.0	266.4
57.5°	249.1	247.5	214.4	93.0	34.7	94.6	214.4	231.7	225.4
60°	203.3	209.7	186.0	83.5	31.5	85.1	182.9	197.0	193.9
62.5°	170.2	178.1	162.4	74.1	26.8	75.7	154.5	168.7	165.5
65°	141.9	148.2	135.6	63.1	23.6	63.1	127.7	140.3	140.3
67.5°	116.6	121.4	111.9	52.0	20.5	52.0	104.0	115.1	116.6
70°	93.0	96.2	88.3	41.0	17.3	42.6	82.0	93.0	93.0
72.5°	72.5	74.1	69.4	33.1	15.8	33.1	63.1	72.5	72.5
75°	52.0	55.2	52.0	25.2	14.2	25.2	48.9	53.6	55.2
77.5°	30.0	37.8	37.8	20.5	11.0	18.9	34.7	36.3	36.3
80°	20.5	23.6	26.8	14.2	7.9	14.2	22.1	23.6	22.1
82.5°	14.2	15.8	15.8	9.5	6.3	9.5	14.2	15.8	14.2
85°	7.9	11.0	11.0	7.9	4.7	6.3	7.9	9.5	7.9
87.5°	4.7	6.3	7.9	6.3	4.7	4.7	4.7	4.7	3.2
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)