

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: P799602

Luminaire Tested: **LD6C35D010 EU6359027 6LBMDSWWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799602
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 EU6359027 6LBMDSWWH
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

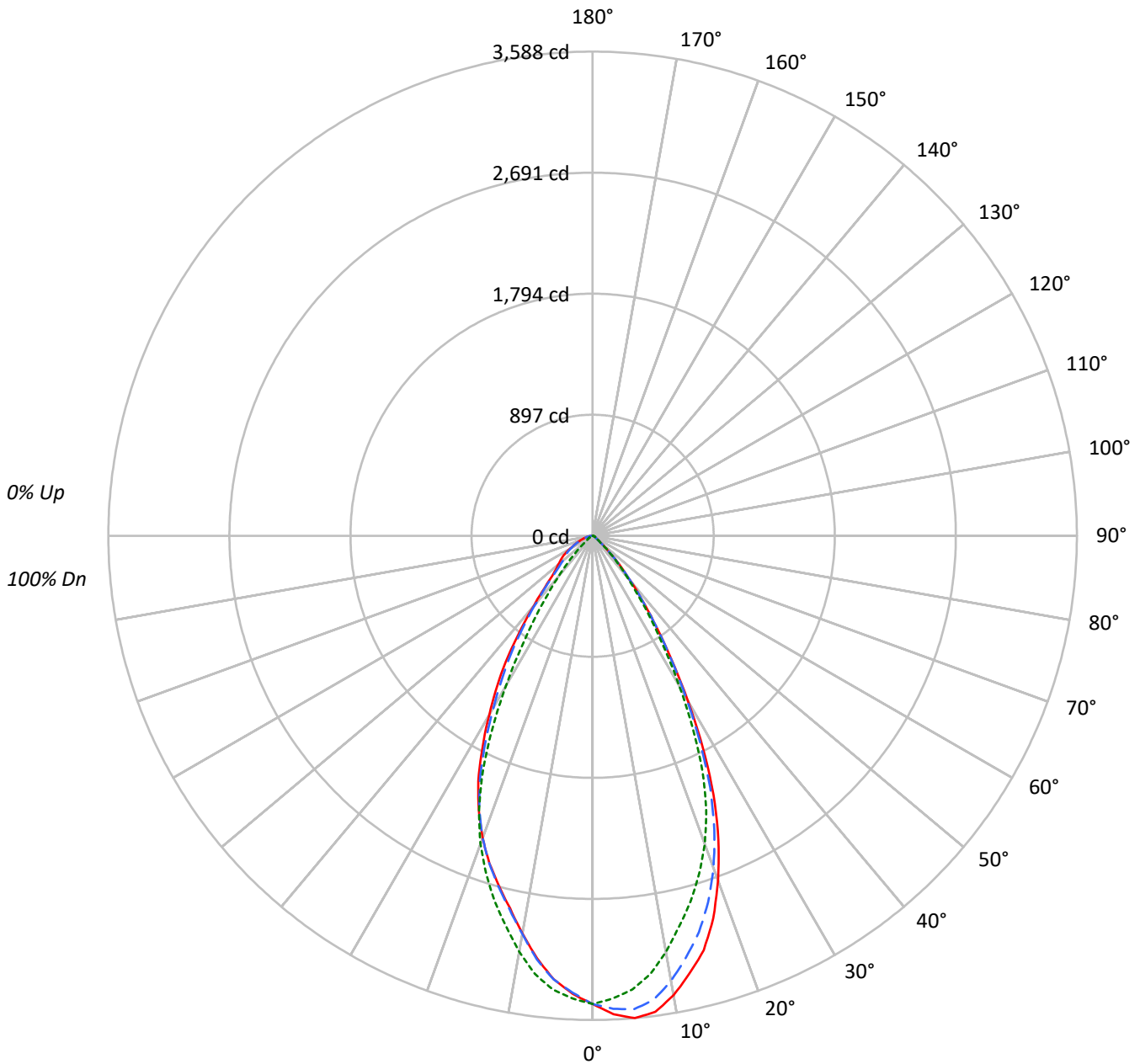
Lumens per Lamp: N/A
Luminaire Lumens: 2987.1 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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					
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	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	57	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°	190193	190193	190193
5°	197424	185730	181526
10°	192376	174212	166547
15°	180421	159184	152305
20°	158389	141716	139009
25°	128100	116426	121223
30°	89058	81101	97015
35°	54890	49684	73221
40°	31058	27845	48627
45°	15087	14389	33189
50°	5748	5748	28212
55°	3144	3718	26035
60°	2302	2949	21336
65°	1946	2529	17473
70°	1683	2164	14393
75°	1589	2224	12370
80°	947	1894	8966
85°	943	3774	8491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.6	10.6
10°-20°	798.3	26.7
20°-30°	898.6	30.1
30°-40°	556.4	18.6
40°-50°	221.6	7.4
50°-60°	100.9	3.4
60°-70°	58.0	1.9
70°-80°	27.5	0.9
80°-90°	8.0	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°	2014.5	67.4
0°-40°	2571.0	86.1
0°-60°	2893.4	96.9
0°-90°	2987.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2987.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3469	3469	3469	3469	3469	
5°	3588	3522	3375	3302	3299	338
15°	3179	3041	2805	2691	2684	880
25°	2118	2061	1925	1973	2004	952
35°	820	816	742	1034	1094	527
45°	195	195	186	404	428	165
55°	33	31	39	240	272	33
65°	15	14	20	133	135	15
75°	8	8	10	57	58	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°	3469.4	3469.4	3469.4	3469.4	3469.4	3469.4	3469.4	3469.4	3469.4
2.5°	3548.7	3515.8	3508.3	3479.8	3431.9	3405.0	3388.5	3376.6	3397.5
5°	3587.6	3551.7	3521.7	3463.4	3375.1	3325.7	3301.7	3282.3	3298.7
7.5°	3559.2	3508.3	3467.9	3387.0	3274.8	3198.5	3165.5	3143.1	3158.0
10°	3455.9	3394.5	3348.1	3252.3	3129.6	3038.3	2997.9	2976.9	2991.9
12.5°	3321.2	3270.3	3200.0	3095.2	2963.5	2867.7	2837.8	2821.3	2827.3
15°	3179.0	3119.1	3041.3	2936.5	2804.8	2709.0	2691.1	2680.6	2683.6
17.5°	2972.5	2914.1	2846.7	2745.0	2623.7	2545.9	2545.9	2538.4	2542.9
20°	2715.0	2683.6	2617.7	2532.4	2429.2	2358.8	2381.3	2373.8	2382.8
22.5°	2436.6	2412.7	2355.8	2285.5	2198.7	2143.3	2192.7	2191.2	2203.1
25°	2117.8	2099.9	2061.0	2001.1	1924.8	1890.3	1972.7	1972.7	2004.1
27.5°	1766.1	1748.2	1721.2	1670.3	1607.5	1597.0	1718.2	1733.2	1767.6
30°	1406.9	1394.9	1380.0	1333.6	1281.2	1300.6	1468.3	1493.7	1532.6
32.5°	1086.6	1079.1	1074.6	1032.7	986.3	1050.7	1242.3	1275.2	1314.1
35°	820.2	803.7	815.7	784.3	742.4	823.2	1034.2	1062.7	1094.1
37.5°	604.7	592.7	603.2	580.7	543.3	631.6	830.7	848.6	869.6
40°	434.0	423.6	432.5	419.1	389.1	471.5	651.1	670.5	679.5
42.5°	308.3	290.4	299.3	288.9	273.9	354.7	511.9	529.8	532.8
45°	194.6	188.6	194.6	188.6	185.6	263.4	404.1	420.6	428.1
47.5°	118.2	110.8	110.8	107.8	110.8	194.6	333.8	357.7	369.7
50°	67.4	64.4	62.9	61.4	67.4	152.7	288.9	315.8	330.8
52.5°	44.9	43.4	43.4	41.9	49.4	128.7	260.4	284.4	299.3
55°	32.9	31.4	31.4	31.4	38.9	110.8	239.5	258.9	272.4
57.5°	25.4	25.4	25.4	23.9	32.9	94.3	214.0	224.5	235.0
60°	21.0	19.5	19.5	19.5	26.9	80.8	184.1	188.6	194.6
62.5°	16.5	16.5	16.5	16.5	22.5	71.8	158.7	158.7	161.6
65°	15.0	13.5	13.5	13.5	19.5	62.9	133.2	131.7	134.7
67.5°	12.0	12.0	12.0	12.0	16.5	53.9	109.3	107.8	110.8
70°	10.5	10.5	10.5	10.5	13.5	44.9	88.3	86.8	89.8
72.5°	9.0	9.0	9.0	9.0	12.0	37.4	70.3	70.3	71.8
75°	7.5	7.5	7.5	7.5	10.5	28.4	56.9	56.9	58.4
77.5°	6.0	6.0	6.0	6.0	7.5	22.5	43.4	41.9	41.9
80°	3.0	4.5	4.5	4.5	6.0	16.5	31.4	28.4	28.4
82.5°	1.5	3.0	3.0	3.0	6.0	12.0	21.0	19.5	19.5
85°	1.5	1.5	1.5	4.5	6.0	9.0	13.5	13.5	13.5
87.5°	0.0	1.5	3.0	6.0	7.5	7.5	9.0	7.5	7.5
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)