

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: P563812

Luminaire Tested: **LD4C25D010 EX4C259030 4LCSQWLI**

Issue Date: 2/18/2022

Test Information

Test Method: LM-79-08
Report Number: P563812
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-13)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C25D010 EX4C259030 4LCSQWLI
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

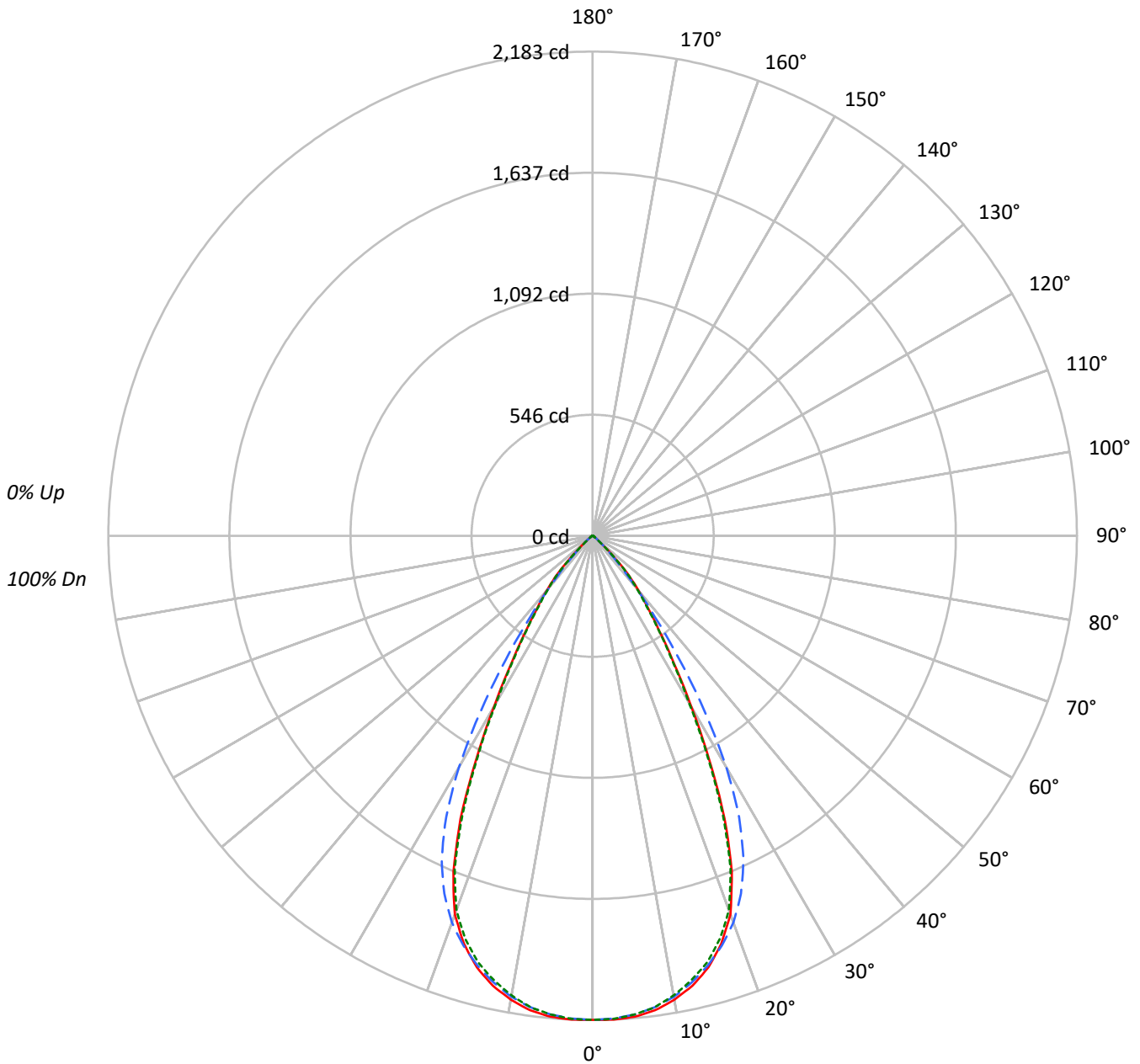
Lumens per Lamp: N/A
Luminaire Lumens: 1954.1 lumens
Efficiency: N/A
Efficacy: 62.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.9
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
Input Voltage (V):
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									
RC	80									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	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94																			
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87																			
3	103	96	91	88	101	95	90	87	92	89	85	90	87	84	88	85	83	81																			
4	98	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76																			
5	93	84	79	74	91	84	78	74	82	77	73	80	76	73	79	75	72	71																			
6	88	79	73	69	87	79	73	69	77	72	68	76	71	68	74	71	68	66																			
7	84	75	69	65	82	74	68	64	73	68	64	71	67	64	70	66	63	62																			
8	80	70	64	60	79	70	64	60	69	64	60	68	63	60	67	63	59	58																			
9	76	66	61	57	75	66	60	57	65	60	56	64	60	56	63	59	56	55																			
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	210606	210606	210606
5°	210830	209851	209851
10°	208055	206830	206193
15°	201304	200355	199006
20°	186439	190505	184375
25°	149901	171364	147931
30°	98937	134356	96597
35°	61840	80687	60710
40°	40357	37384	38782
45°	19431	14915	18340
50°	4894	5944	4593
55°	2708	2439	2624
60°	1853	1544	1756
65°	1256	1142	1256
70°	1016	875	1016
75°	746	746	746
80°	556	833	833
85°	554	1107	1107



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.3	10.5
10°-20°	560.6	28.7
20°-30°	668.0	34.2
30°-40°	378.3	19.4
40°-50°	116.9	6.0
50°-60°	16.3	0.8
60°-70°	5.6	0.3
70°-80°	2.2	0.1
80°-90°	0.9	0.0
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°	1433.9	73.4
0°-40°	1812.2	92.7
0°-60°	1945.4	99.6
0°-90°	1954.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1954.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2183	2183	2183	2183	2183	
5°	2177	2172	2167	2165	2167	206
15°	2015	2012	2006	1998	1992	562
25°	1408	1490	1610	1493	1390	628
35°	525	573	685	574	515	342
45°	142	166	109	161	134	118
55°	16	16	14	16	16	16
65°	6	6	5	6	6	6
75°	2	2	2	2	2	2
85°	0	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2182.7	2182.7	2182.7	2182.7	2182.7
2.5°	2183.2	2179.7	2178.6	2177.7	2179.7
5°	2176.7	2171.6	2166.6	2165.1	2166.6
7.5°	2158.1	2153.1	2144.6	2142.6	2144.1
10°	2123.5	2119.0	2111.0	2106.5	2104.5
12.5°	2077.9	2070.4	2062.9	2057.8	2052.8
15°	2015.2	2011.7	2005.7	1997.7	1992.2
17.5°	1928.5	1933.5	1937.0	1921.0	1906.4
20°	1815.7	1834.2	1855.3	1822.7	1795.6
22.5°	1639.6	1692.8	1746.4	1684.8	1624.6
25°	1408.0	1490.2	1609.6	1492.7	1389.5
27.5°	1137.7	1242.0	1430.1	1242.5	1122.7
30°	888.0	995.3	1205.9	981.3	867.0
32.5°	681.9	762.2	942.1	750.1	667.4
35°	525.0	572.6	685.0	574.1	515.4
37.5°	408.2	432.2	460.8	423.7	396.1
40°	320.4	321.4	296.8	316.3	307.9
42.5°	237.7	236.7	182.5	230.7	232.1
45°	142.4	166.0	109.3	161.4	134.4
47.5°	67.6	93.8	65.7	88.8	62.7
50°	32.6	45.2	39.6	42.1	30.6
52.5°	22.1	23.1	22.6	22.1	21.1
55°	16.1	16.1	14.5	15.6	15.6
57.5°	12.0	12.0	10.6	11.5	11.5
60°	9.6	9.1	8.0	9.1	9.1
62.5°	7.0	7.0	6.0	7.0	7.0
65°	5.5	5.5	5.0	5.5	5.5
67.5°	4.5	4.5	3.6	4.5	4.0
70°	3.6	3.6	3.1	3.6	3.6
72.5°	2.5	2.5	2.5	2.5	2.5
75°	2.0	2.0	2.0	2.0	2.0
77.5°	1.5	1.5	1.5	1.5	1.5
80°	1.0	1.0	1.5	1.5	1.5
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.5	1.0	1.0	1.0	1.0
87.5°	0.5	0.5	1.0	1.0	1.0
90°	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)