

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: P#

Luminaire Tested: **LD4C65D010 EX4C659050 4LCSQWLI**

Issue Date: 2/18/2022

Test Information

Test Method: LM-79-08
Report Number: P#
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: LD4C65D010 EX4C659050 4LCSQWLI
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

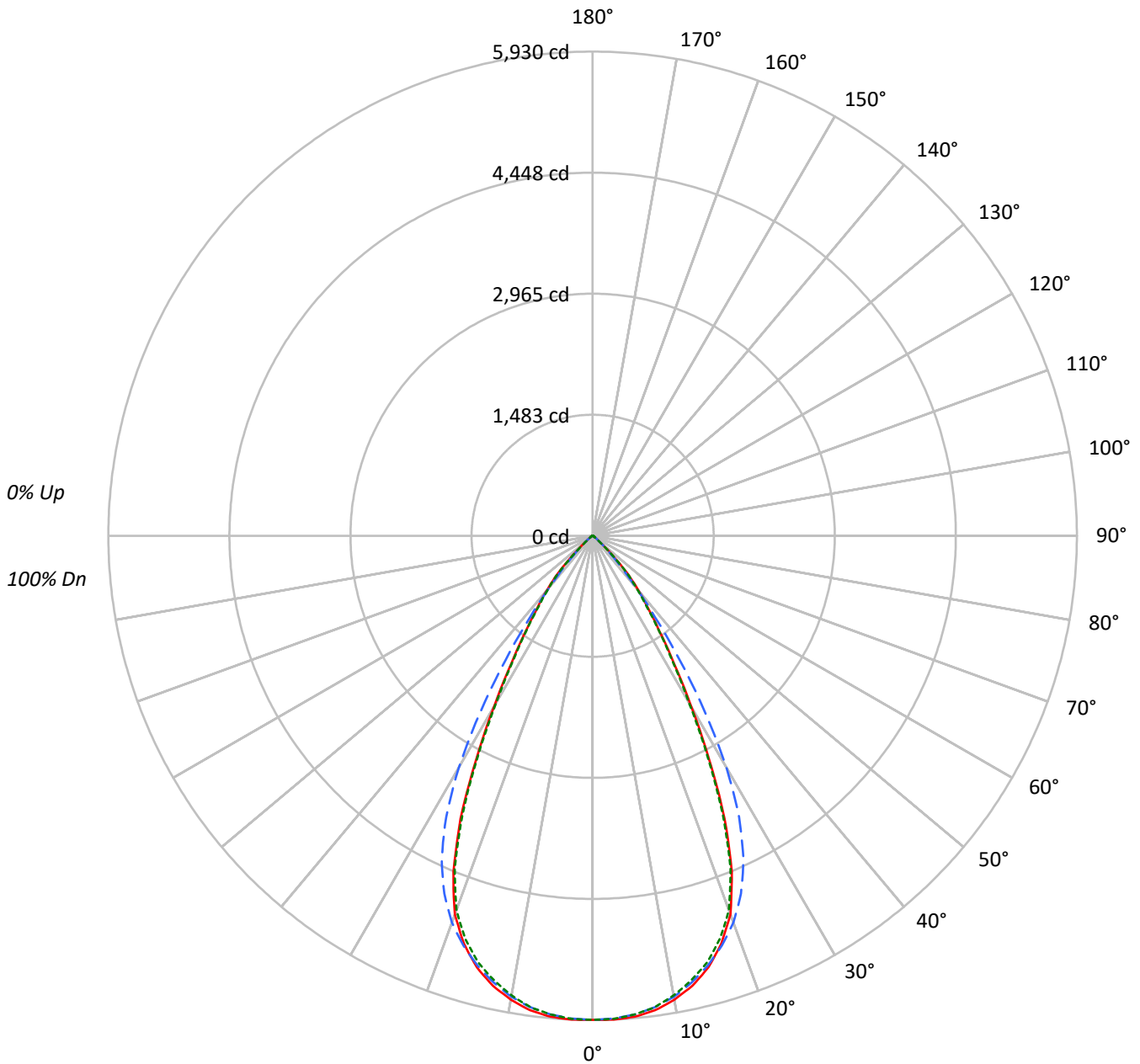
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5308.0 lumens
Efficiency: N/A
Efficacy: 73.3 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): 72.4
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

TEST NUMBER: P#
CATALOG NUMBER: LD4C65D010 EX4C659050 4LCSQWLI

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD4C65D010 EX4C659050 4LCSQWLI

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°	572092	572092	572092
5°	572699	570055	570055
10°	565173	561842	560098
15°	546832	544245	540569
20°	506435	517483	500838
25°	407192	465491	401826
30°	268757	364976	262384
35°	167982	219162	164931
40°	109633	101572	105338
45°	52781	40514	49806
50°	13285	16152	12474
55°	7335	6645	7099
60°	4998	4207	4728
65°	3425	3105	3425
70°	2680	2313	2680
75°	2013	2013	2013
80°	1500	2278	2278
85°	1550	2989	2989



TEST NUMBER: P#

CATALOG NUMBER: LD4C65D010 EX4C659050 4LCSQWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	557.6	10.5
10°-20°	1522.7	28.7
20°-30°	1814.7	34.2
30°-40°	1027.6	19.4
40°-50°	317.7	6.0
50°-60°	44.1	0.8
60°-70°	15.1	0.3
70°-80°	6.0	0.1
80°-90°	2.5	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°	3895.0	73.4
0°-40°	4922.6	92.7
0°-60°	5284.4	99.6
0°-90°	5308.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5308.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5929	5929	5929	5929	5929	
5°	5913	5899	5886	5882	5886	560
15°	5474	5465	5448	5426	5412	1526
25°	3825	4048	4372	4055	3774	1705
35°	1426	1556	1861	1560	1400	928
45°	387	451	297	439	365	319
55°	44	44	40	42	42	43
65°	15	15	14	15	15	16
75°	5	5	5	5	5	6
85°	1	3	3	3	3	2
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: LD4C65D010 EX4C659050 4LCSQWLI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5929.1	5929.1	5929.1	5929.1	5929.1
2.5°	5930.5	5921.0	5918.2	5915.5	5921.0
5°	5912.8	5899.2	5885.5	5881.5	5885.5
7.5°	5862.4	5848.8	5825.6	5820.2	5824.3
10°	5768.4	5756.1	5734.4	5722.1	5716.6
12.5°	5644.5	5624.0	5603.6	5590.0	5576.4
15°	5474.2	5464.7	5448.3	5426.5	5411.5
17.5°	5238.6	5252.2	5261.7	5218.1	5178.6
20°	4932.1	4982.5	5039.7	4951.2	4877.6
22.5°	4454.0	4598.4	4744.1	4576.6	4413.1
25°	3824.7	4048.1	4372.3	4054.9	3774.3
27.5°	3090.6	3373.9	3884.7	3375.2	3049.7
30°	2412.2	2703.7	3275.8	2665.6	2355.0
32.5°	1852.4	2070.4	2559.3	2037.7	1812.9
35°	1426.1	1555.5	1860.6	1559.6	1400.2
37.5°	1108.7	1174.1	1251.8	1151.0	1076.0
40°	870.4	873.1	806.4	859.5	836.3
42.5°	645.6	642.9	495.8	626.6	630.6
45°	386.8	450.8	296.9	438.6	365.0
47.5°	183.9	254.7	178.4	241.1	170.3
50°	88.5	122.6	107.6	114.4	83.1
52.5°	59.9	62.7	61.3	59.9	57.2
55°	43.6	43.6	39.5	42.2	42.2
57.5°	32.7	32.7	28.6	31.3	31.3
60°	25.9	24.5	21.8	24.5	24.5
62.5°	19.1	19.1	16.3	19.1	19.1
65°	15.0	15.0	13.6	15.0	15.0
67.5°	12.3	12.3	9.5	12.3	10.9
70°	9.5	9.5	8.2	9.5	9.5
72.5°	6.8	6.8	6.8	6.8	6.8
75°	5.4	5.4	5.4	5.4	5.4
77.5°	4.1	4.1	4.1	4.1	4.1
80°	2.7	2.7	4.1	4.1	4.1
82.5°	2.7	2.7	2.7	2.7	2.7
85°	1.4	2.7	2.7	2.7	2.7
87.5°	1.4	1.4	2.7	2.7	2.7
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)