

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: **LD4C70D010 EX4C709050 4LCSQWH**

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 (G1-2105-247-14)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C70D010 EX4C709050 4LCSQWH
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

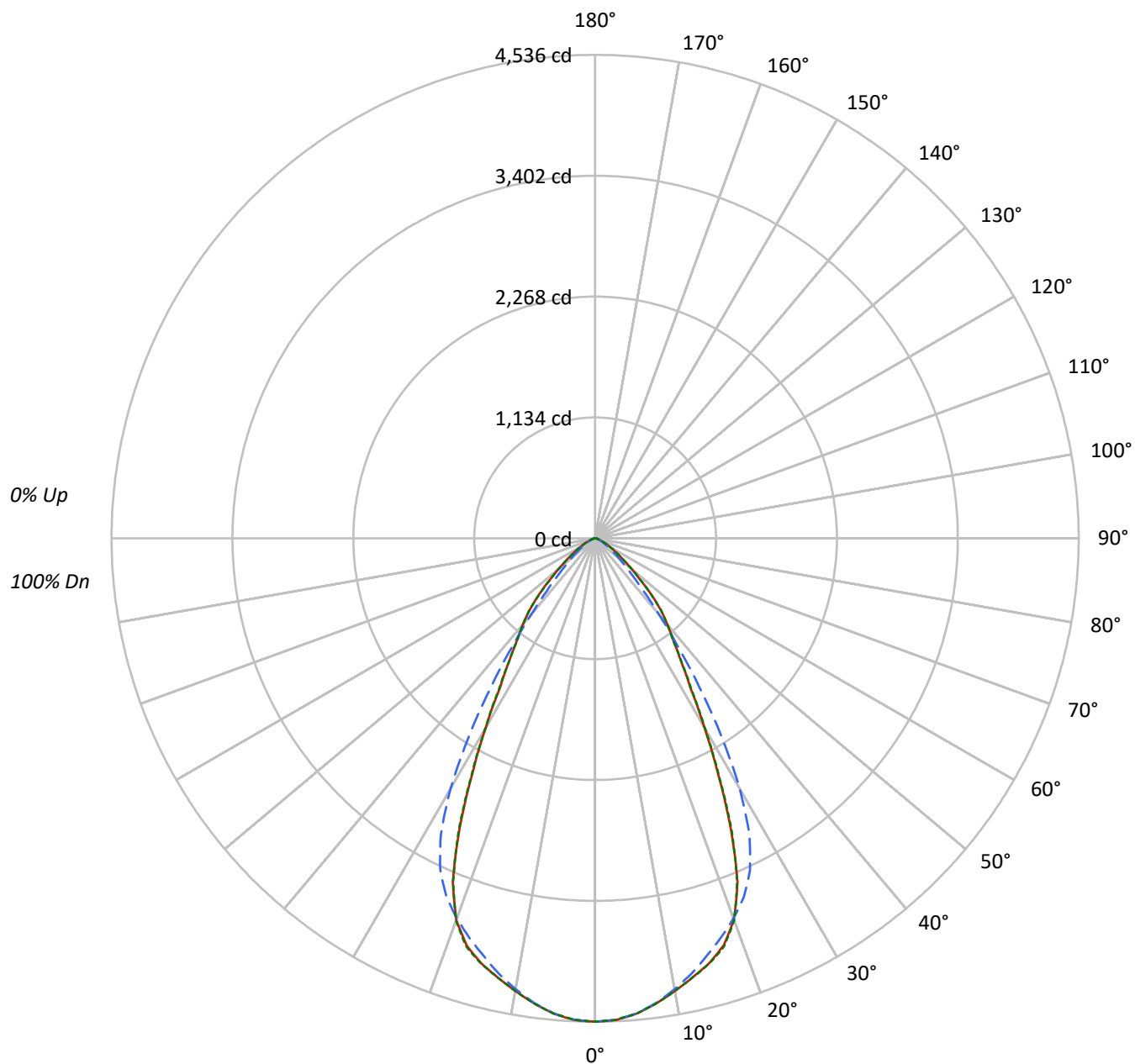
Lumens per Lamp: N/A
Luminaire Lumens: 4801.0 lumens
Efficiency: N/A
Efficacy: 61.6 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 78
Input Voltage (V):
Input Current (Ain): 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: LD4C70D010 EX4C709050 4LCSQWH

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92		
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84		
3	101	93	88	84	98	92	87	83	89	85	82	87	83	80	85	82	79	77		
4	95	87	80	76	93	85	80	75	83	78	74	81	77	74	79	76	73	71		
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	66		
6	85	75	68	64	83	74	68	63	72	67	63	71	66	63	70	65	62	61		
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	65	61	58	56		
8	76	65	59	55	74	65	59	54	64	58	54	63	58	54	62	57	54	52		
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49		
10	68	58	52	48	67	57	51	47	57	51	47	56	51	47	55	50	47	46		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	437674	437674	437674
5°	433670	433389	433534
10°	422567	420881	422567
15°	412397	404965	412816
20°	391000	389532	391740
25°	320733	365958	322404
30°	228703	302338	229026
35°	164955	200339	165461
40°	132255	116397	132255
45°	100923	67928	100131
50°	66559	43382	66349
55°	44764	29119	44276
60°	30085	19877	30375
65°	20571	14041	20251
70°	13711	10100	13711
75°	9059	7456	9059
80°	6334	5557	6334
85°	4760	4760	4760



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.7	8.8
10°-20°	1149.8	23.9
20°-30°	1437.4	29.9
30°-40°	966.9	20.1
40°-50°	510.6	10.6
50°-60°	207.5	4.3
60°-70°	77.0	1.6
70°-80°	24.8	0.5
80°-90°	5.4	0.1
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°	3008.8	62.7
0°-40°	3975.7	82.8
0°-60°	4693.9	97.8
0°-90°	4801.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4801.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4536	4536	4536	4536	4536	
5°	4477	4473	4474	4474	4476	422
15°	4128	4094	4054	4093	4133	1157
25°	3013	3181	3437	3187	3028	1356
35°	1400	1470	1701	1473	1405	901
45°	740	702	498	700	734	567
55°	266	223	173	223	263	247
65°	90	73	62	73	89	93
75°	24	22	20	22	24	28
85°	4	4	4	4	4	5
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4536.0	4536.0	4536.0	4536.0	4536.0
2.5°	4524.6	4521.7	4520.3	4520.3	4521.7
5°	4477.4	4473.1	4474.5	4474.5	4476.0
7.5°	4401.6	4400.1	4395.9	4401.6	4401.6
10°	4312.9	4305.7	4295.7	4307.2	4312.9
12.5°	4221.3	4199.9	4182.7	4199.9	4221.3
15°	4128.4	4094.0	4054.0	4092.6	4132.6
17.5°	4006.8	3972.4	3928.1	3979.6	4018.2
20°	3807.9	3810.8	3793.6	3807.9	3815.1
22.5°	3488.9	3553.3	3643.4	3554.7	3478.9
25°	3012.6	3181.4	3437.4	3187.1	3028.3
27.5°	2501.9	2716.5	3135.6	2729.3	2517.6
30°	2052.7	2243.0	2713.6	2255.9	2055.6
32.5°	1662.2	1803.8	2205.8	1821.0	1680.8
35°	1400.4	1470.5	1700.8	1473.4	1404.7
37.5°	1200.2	1200.2	1263.1	1205.9	1194.4
40°	1050.0	1004.2	924.1	1002.8	1050.0
42.5°	909.8	841.1	670.9	838.3	912.6
45°	739.6	702.4	497.8	699.5	733.8
47.5°	567.9	542.2	374.8	539.3	572.2
50°	443.4	403.4	289.0	400.5	442.0
52.5°	340.5	297.5	223.2	297.5	337.6
55°	266.1	223.2	173.1	223.2	263.2
57.5°	204.6	170.2	131.6	167.4	203.1
60°	155.9	127.3	103.0	127.3	157.4
62.5°	118.7	97.3	78.7	95.8	117.3
65°	90.1	73.0	61.5	73.0	88.7
67.5°	65.8	54.4	47.2	54.4	67.2
70°	48.6	41.5	35.8	40.1	48.6
72.5°	35.8	30.0	27.2	30.0	35.8
75°	24.3	21.5	20.0	21.5	24.3
77.5°	17.2	15.7	14.3	15.7	17.2
80°	11.4	10.0	10.0	11.4	11.4
82.5°	7.2	7.2	7.2	7.2	7.2
85°	4.3	4.3	4.3	4.3	4.3
87.5°	2.9	2.9	2.9	2.9	2.9
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)