

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: **LD4C80D010 EX4C809040 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: LD4C80D010 EX4C809040 4LCSQWH
Description: 4 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

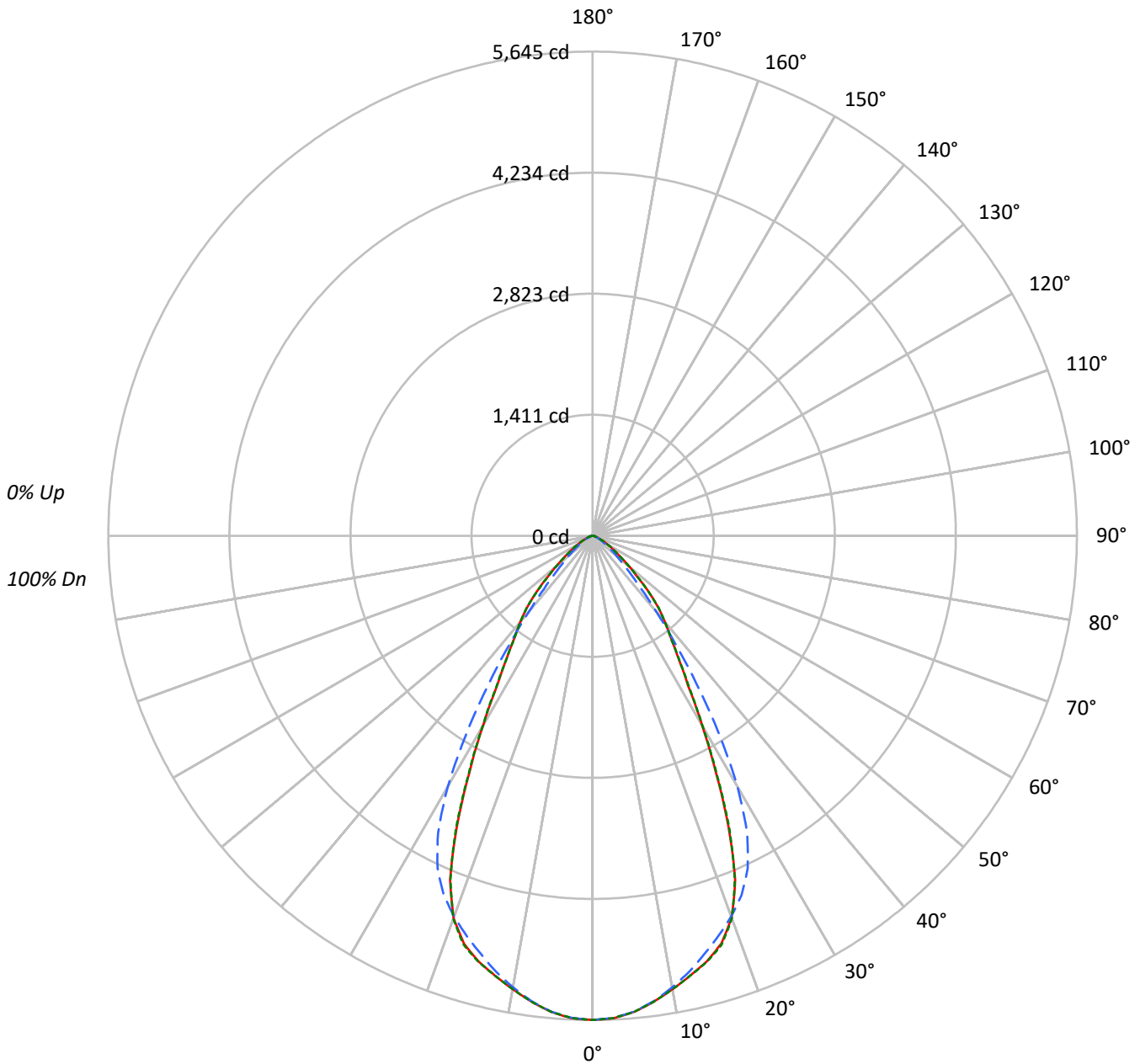
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5975.0 lumens
Efficiency: N/A
Efficacy: 66.8 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): 89.5
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	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°	544709	544709	544709
5°	539719	539370	539545
10°	525894	523807	525894
15°	513238	503988	513768
20°	486617	484789	487531
25°	399164	455452	401240
30°	284634	376273	285035
35°	205298	249329	205923
40°	164588	144863	164588
45°	125594	84534	124625
50°	82846	53980	82576
55°	55699	36235	55110
60°	37438	24740	37785
65°	25617	17489	25206
70°	17068	12554	17068
75°	11296	9283	11296
80°	7890	6946	7890
85°	5868	5868	5868



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	524.8	8.8
10°-20°	1430.9	23.9
20°-30°	1788.9	29.9
30°-40°	1203.4	20.1
40°-50°	635.4	10.6
50°-60°	258.3	4.3
60°-70°	95.8	1.6
70°-80°	30.9	0.5
80°-90°	6.7	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°	3744.6	62.7
0°-40°	4948.0	82.8
0°-60°	5841.6	97.8
0°-90°	5975.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5975.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5645	5645	5645	5645	5645	
5°	5572	5567	5569	5569	5570	525
15°	5138	5095	5045	5093	5143	1439
25°	3749	3959	4278	3966	3769	1688
35°	1743	1830	2117	1834	1748	1122
45°	920	874	620	871	913	706
55°	331	278	215	278	328	307
65°	112	91	77	91	110	116
75°	30	27	25	27	30	35
85°	5	5	5	5	5	7
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5645.3	5645.3	5645.3	5645.3	5645.3
2.5°	5631.0	5627.4	5625.7	5625.7	5627.4
5°	5572.3	5566.9	5568.7	5568.7	5570.5
7.5°	5477.9	5476.1	5470.8	5477.9	5477.9
10°	5367.5	5358.6	5346.2	5360.4	5367.5
12.5°	5253.6	5226.9	5205.5	5226.9	5253.6
15°	5137.9	5095.1	5045.3	5093.4	5143.2
17.5°	4986.5	4943.8	4888.6	4952.7	5000.8
20°	4739.1	4742.7	4721.3	4739.1	4748.0
22.5°	4342.1	4422.2	4534.4	4424.0	4329.6
25°	3749.3	3959.3	4278.0	3966.5	3768.8
27.5°	3113.7	3380.7	3902.4	3396.8	3133.3
30°	2554.7	2791.5	3377.2	2807.5	2558.3
32.5°	2068.7	2244.9	2745.2	2266.3	2091.8
35°	1742.9	1830.1	2116.7	1833.7	1748.2
37.5°	1493.7	1493.7	1572.0	1500.8	1486.5
40°	1306.7	1249.8	1150.1	1248.0	1306.7
42.5°	1132.3	1046.8	834.9	1043.2	1135.8
45°	920.4	874.1	619.5	870.6	913.3
47.5°	706.8	674.7	466.4	671.2	712.1
50°	551.9	502.0	359.6	498.5	550.1
52.5°	423.7	370.3	277.7	370.3	420.1
55°	331.1	277.7	215.4	277.7	327.6
57.5°	254.6	211.9	163.8	208.3	252.8
60°	194.0	158.4	128.2	158.4	195.8
62.5°	147.8	121.1	97.9	119.3	146.0
65°	112.2	90.8	76.6	90.8	110.4
67.5°	81.9	67.7	58.7	67.7	83.7
70°	60.5	51.6	44.5	49.8	60.5
72.5°	44.5	37.4	33.8	37.4	44.5
75°	30.3	26.7	24.9	26.7	30.3
77.5°	21.4	19.6	17.8	19.6	21.4
80°	14.2	12.5	12.5	14.2	14.2
82.5°	8.9	8.9	8.9	8.9	8.9
85°	5.3	5.3	5.3	5.3	5.3
87.5°	3.6	3.6	3.6	3.6	3.6
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)