

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: P839339

Luminaire Tested: **LD4C55D010 EU4559050 4LBSH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P839339
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C55D010 EU4559050 4LBSH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

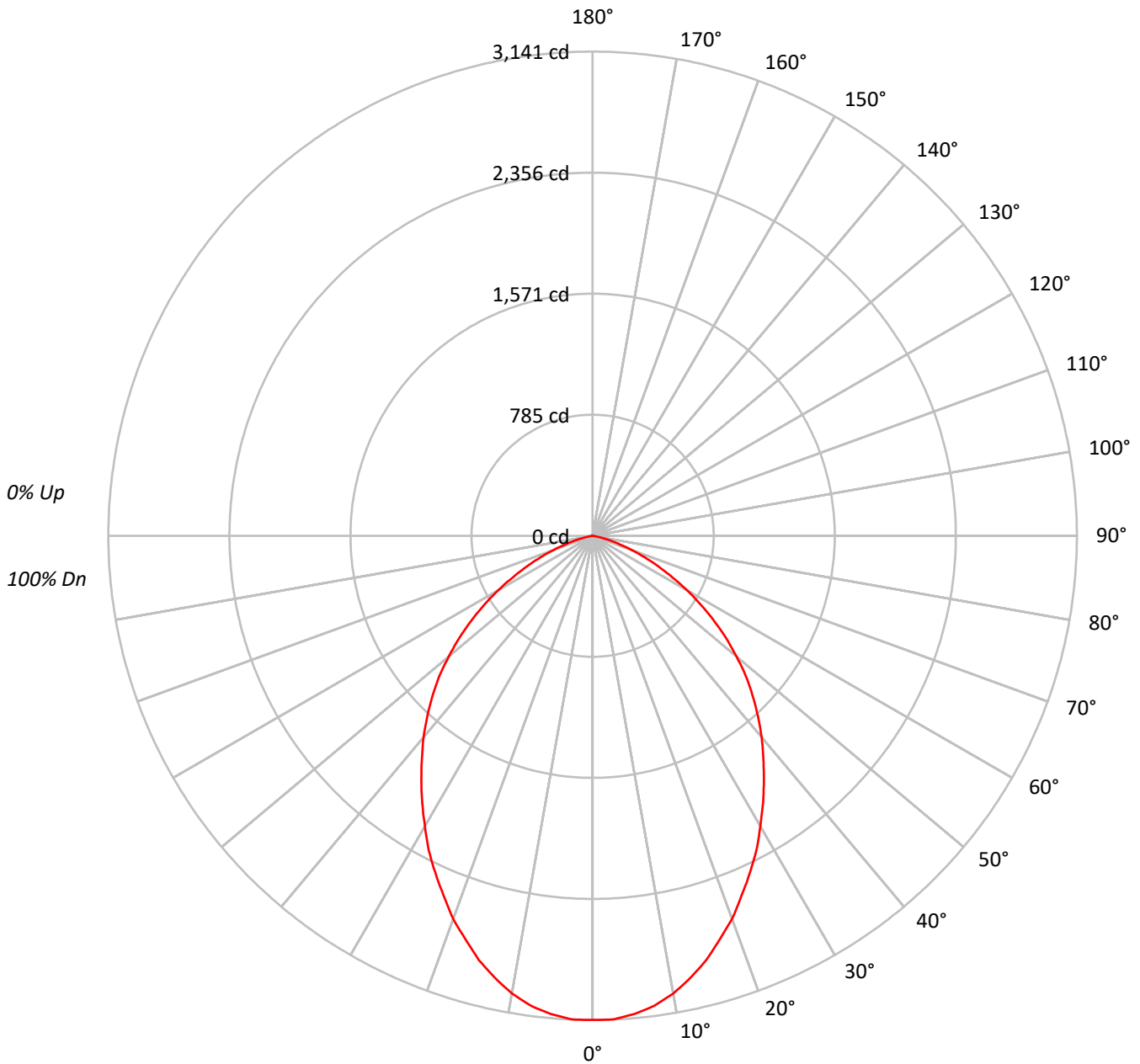
Lumens per Lamp: N/A
Luminaire Lumens: 6005.0 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88																			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77																			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67																			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58																			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51																			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46																			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41																			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37																			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34																			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	385834
5°	384039
10°	376117
15°	362446
20°	345763
25°	327118
30°	308572
35°	290534
40°	273566
45°	255017
50°	232524
55°	205364
60°	173838
65°	136482
70°	97415
75°	53353
80°	9410
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.2	4.9
10°-20°	799.6	13.3
20°-30°	1110.4	18.5
30°-40°	1211.7	20.2
40°-50°	1130.3	18.8
50°-60°	858.0	14.3
60°-70°	469.8	7.8
70°-80°	129.3	2.2
80°-90°	1.8	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°	2204.1	36.7
0°-40°	3415.8	56.9
0°-60°	5404.1	90.0
0°-90°	6005.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6005.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3141	
5°	3114	294
15°	2850	800
25°	2413	1110
35°	1937	1212
45°	1468	1130
55°	959	858
65°	470	470
75°	112	129
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3140.6
2.5°	3140.6
5°	3114.1
7.5°	3074.6
10°	3015.0
12.5°	2935.7
15°	2849.7
17.5°	2744.0
20°	2644.7
22.5°	2525.7
25°	2413.2
27.5°	2301.0
30°	2175.2
32.5°	2056.2
35°	1937.2
37.5°	1818.2
40°	1705.8
42.5°	1586.8
45°	1467.8
47.5°	1348.8
50°	1216.6
52.5°	1090.9
55°	958.8
57.5°	833.0
60°	707.5
62.5°	581.9
65°	469.5
67.5°	363.6
70°	271.2
72.5°	185.2
75°	112.4
77.5°	52.9
80°	13.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)