

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: P839363

Luminaire Tested: **LD4C65D010 EU4659035 4LBSH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P839363
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: LD4C65D010 EU4659035 4LBSH
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

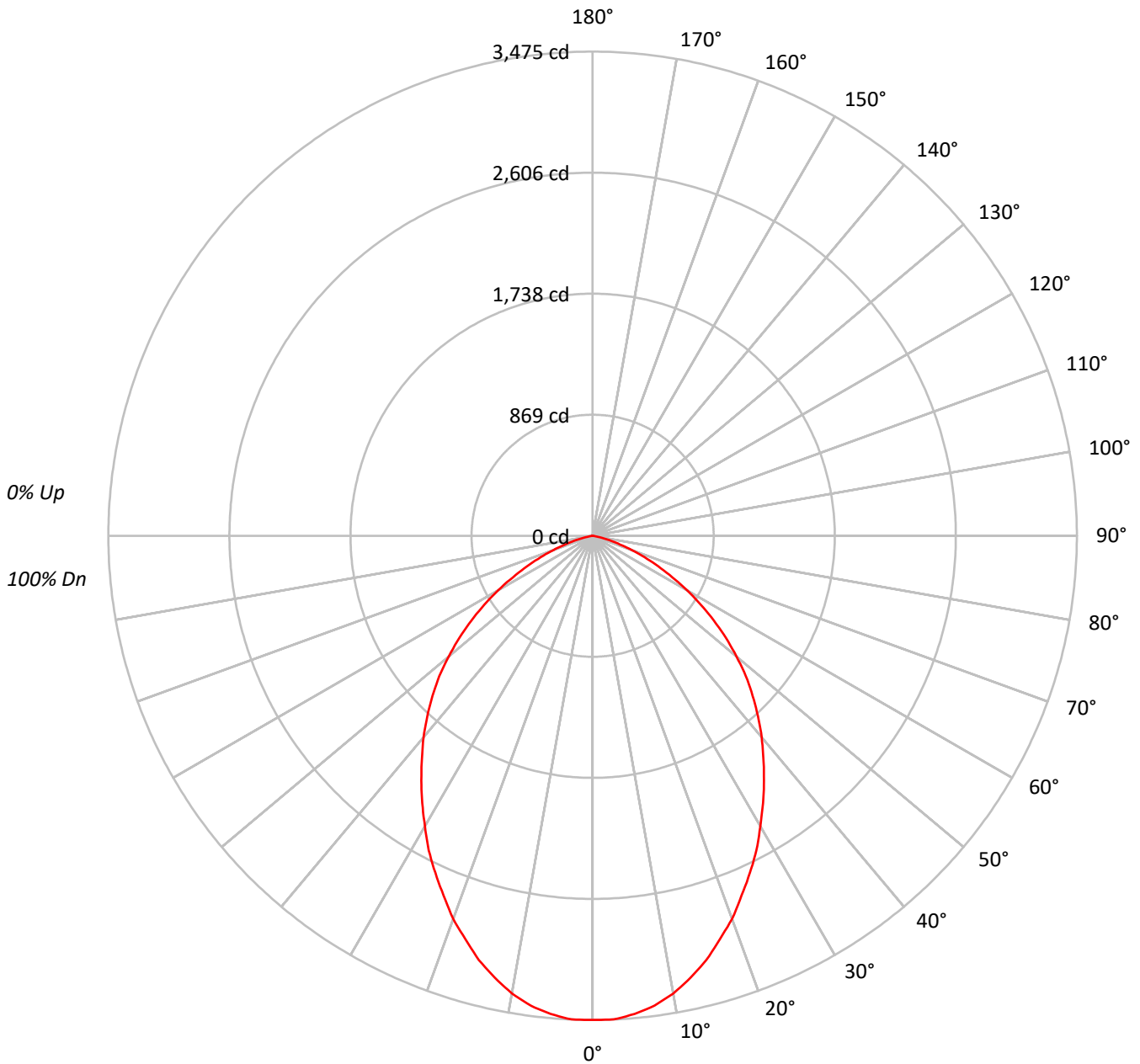
Lumens per Lamp: N/A
Luminaire Lumens: 6644.0 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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		0	
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	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°	426891
5°	424909
10°	416137
15°	401009
20°	382552
25°	361929
30°	341412
35°	321459
40°	302674
45°	282155
50°	257275
55°	227211
60°	192315
65°	150988
70°	107760
75°	59049
80°	10400
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.5	4.9
10°-20°	884.7	13.3
20°-30°	1228.5	18.5
30°-40°	1340.6	20.2
40°-50°	1250.6	18.8
50°-60°	949.3	14.3
60°-70°	519.8	7.8
70°-80°	143.1	2.2
80°-90°	2.0	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°	2438.7	36.7
0°-40°	3779.3	56.9
0°-60°	5979.2	90.0
0°-90°	6644.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6644.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3475	
5°	3446	325
15°	3153	885
25°	2670	1229
35°	2143	1341
45°	1624	1251
55°	1061	949
65°	519	520
75°	124	143
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3474.8
2.5°	3474.8
5°	3445.5
7.5°	3401.7
10°	3335.8
12.5°	3248.1
15°	3152.9
17.5°	3036.0
20°	2926.1
22.5°	2794.4
25°	2670.0
27.5°	2545.8
30°	2406.7
32.5°	2275.0
35°	2143.4
37.5°	2011.7
40°	1887.3
42.5°	1755.6
45°	1624.0
47.5°	1492.3
50°	1346.1
52.5°	1207.0
55°	1060.8
57.5°	921.7
60°	782.7
62.5°	643.8
65°	519.4
67.5°	402.3
70°	300.0
72.5°	204.9
75°	124.4
77.5°	58.5
80°	14.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)