

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: P839342

Luminaire Tested: **LD4C60D010 EU4609027 4LBSH**

Issue Date: 2/14/2022

Test Information

Test Method: LM-79-08
Report Number: P839342
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: LD4C60D010 EU4609027 4LBSH
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

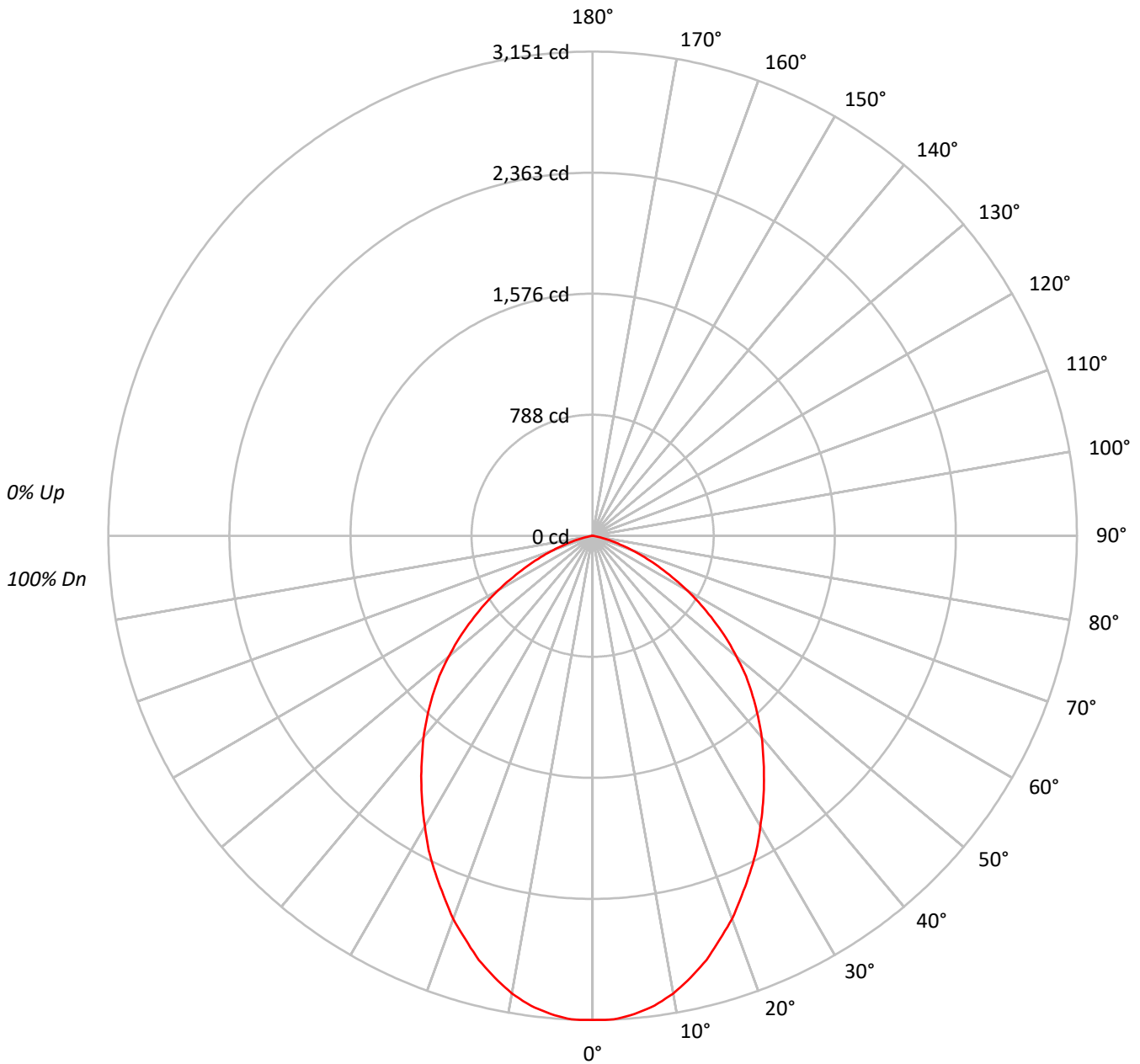
Lumens per Lamp: N/A
Luminaire Lumens: 6025.0 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72
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	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°	387111
5°	385322
10°	377365
15°	363654
20°	346913
25°	328216
30°	309607
35°	291509
40°	274480
45°	255868
50°	233308
55°	206049
60°	174403
65°	136918
70°	97738
75°	53543
80°	9410
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.2	4.9
10°-20°	802.2	13.3
20°-30°	1114.1	18.5
30°-40°	1215.8	20.2
40°-50°	1134.1	18.8
50°-60°	860.8	14.3
60°-70°	471.3	7.8
70°-80°	129.7	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°	2211.5	36.7
0°-40°	3427.2	56.9
0°-60°	5422.2	90.0
0°-90°	6025.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6025.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3151	
5°	3124	295
15°	2859	802
25°	2421	1114
35°	1944	1216
45°	1473	1134
55°	962	861
65°	471	471
75°	113	130
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3151.0
2.5°	3151.0
5°	3124.5
7.5°	3084.8
10°	3025.0
12.5°	2945.5
15°	2859.2
17.5°	2753.1
20°	2653.5
22.5°	2534.1
25°	2421.3
27.5°	2308.6
30°	2182.5
32.5°	2063.1
35°	1943.7
37.5°	1824.3
40°	1711.5
42.5°	1592.1
45°	1472.7
47.5°	1353.3
50°	1220.7
52.5°	1094.5
55°	962.0
57.5°	835.8
60°	709.8
62.5°	583.8
65°	471.0
67.5°	364.8
70°	272.1
72.5°	185.8
75°	112.8
77.5°	53.0
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)