

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1500429

Luminaire Tested: LD4C60D010 EU4609040 4LBMH

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-2019
Report Number: P1500429
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4C60D010 EU4609040 4LBMH
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 4LBM TRIM FINISH
Light Source: -
Ballast/Driver: -

Summary

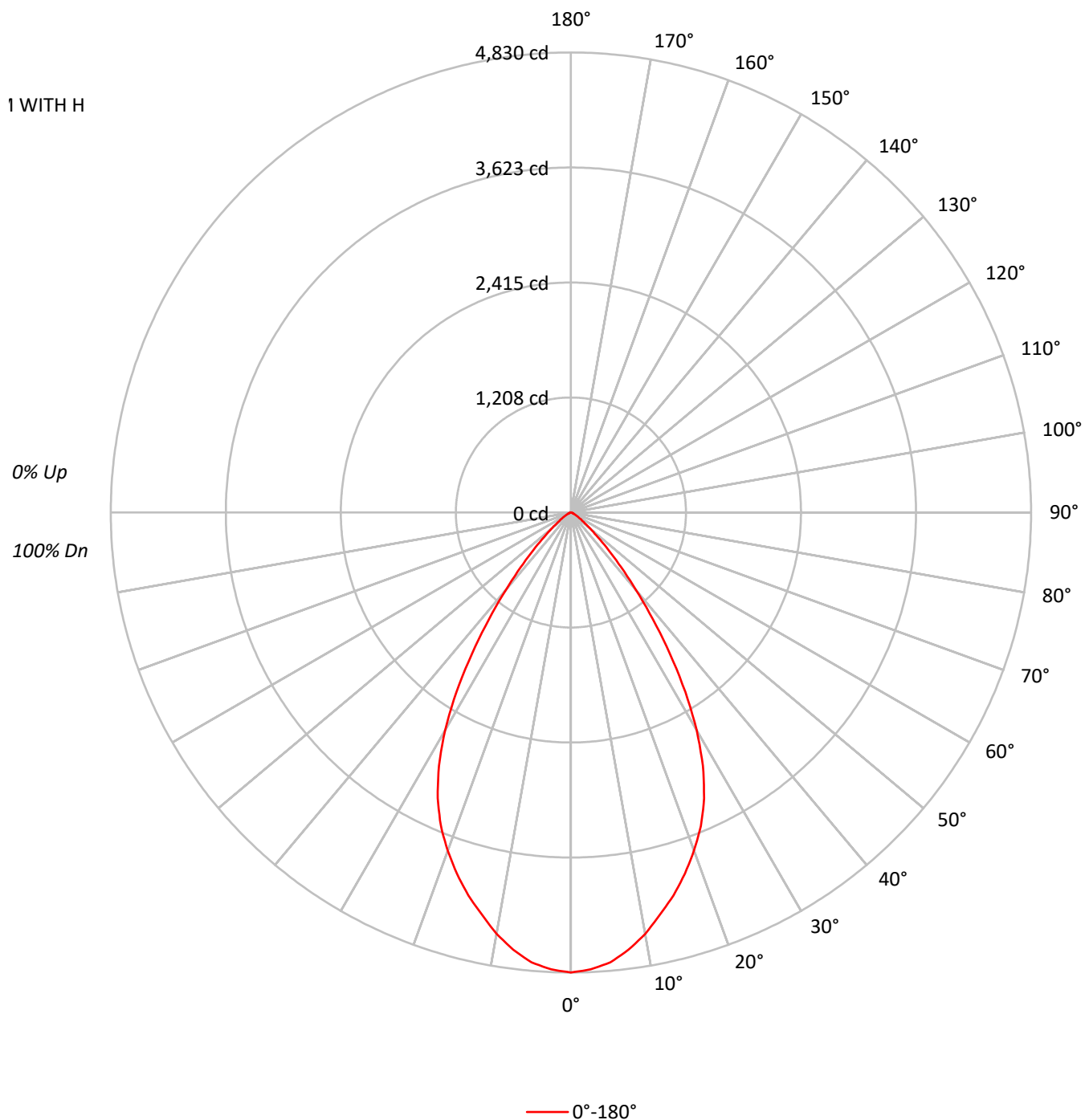
Lumens per Lamp: N/A
Luminaire Lumens: 4871.0 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72
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: 24 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
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	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85		
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79		
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73		
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67		
6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62		
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58		
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54		
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50		
10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	52	48	47		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	593370
5°	584747
10°	560321
15°	529226
20°	493993
25°	448439
30°	374408
35°	271232
40°	169788
45°	97052
50°	50610
55°	28359
60°	18059
65°	10698
70°	7938
75°	3513
80°	5235
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 97052 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.4	9.1
10°-20°	1165.9	23.9
20°-30°	1498.4	30.8
30°-40°	1127.4	23.1
40°-50°	452.8	9.3
50°-60°	128.7	2.6
60°-70°	40.8	0.8
70°-80°	11.6	0.2
80°-90°	1.0	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°	3108.8	63.8
0°-40°	4236.1	87.0
0°-60°	4817.6	98.9
0°-90°	4871.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4871.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4830	
5°	4742	444
15°	4161	1166
25°	3308	1498
35°	1808	1127
45°	559	453
55°	132	129
65°	37	41
75°	7	12
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	4829.9
2.5°	4800.5
5°	4741.6
7.5°	4631.3
10°	4491.6
12.5°	4322.8
15°	4161.0
17.5°	3977.1
20°	3778.5
22.5°	3565.6
25°	3308.2
27.5°	2999.3
30°	2639.3
32.5°	2234.8
35°	1808.5
37.5°	1411.4
40°	1058.7
42.5°	779.2
45°	558.6
47.5°	382.4
50°	264.8
52.5°	183.9
55°	132.4
57.5°	95.6
60°	73.5
62.5°	51.5
65°	36.8
67.5°	29.4
70°	22.1
72.5°	14.7
75°	7.4
77.5°	7.4
80°	7.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)