

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: P1500406

Luminaire Tested: LD4C40D010 EU4409027 4LBMH

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-2019
Report Number: P1500406
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: LD4C40D010 EU4409027 4LBMH
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 4LBM TRIM FINISH
Light Source: -
Ballast/Driver: -

Summary

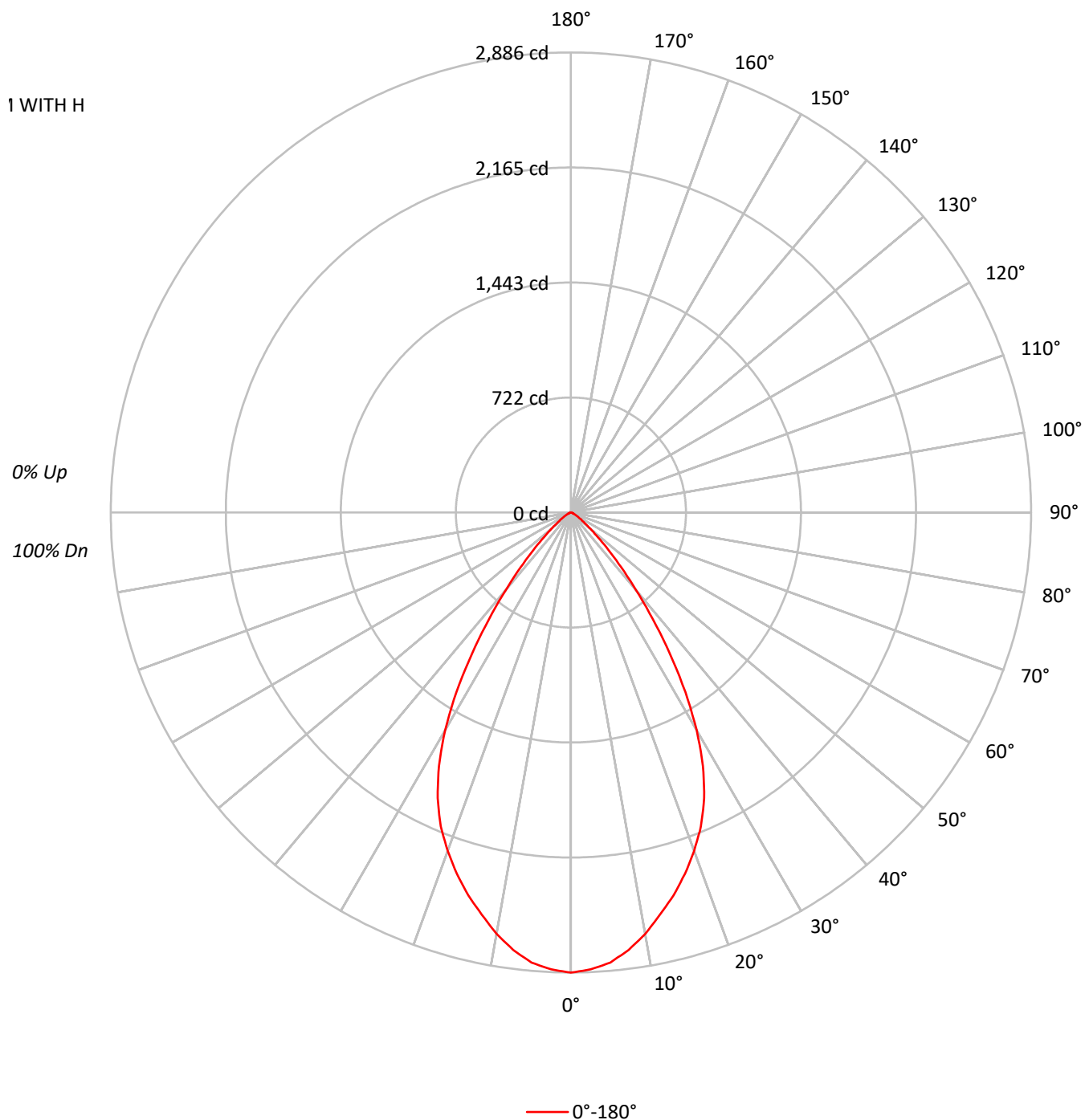
Lumens per Lamp: N/A
Luminaire Lumens: 2911.0 lumens
Efficiency: N/A
Efficacy: 61.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	82		86
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		75
6	86	76	70	65	84	75	69	65	74	68	64		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	49	68	59	53	49	58	52	49		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	354604
5°	349460
10°	334863
15°	316277
20°	295219
25°	267990
30°	223754
35°	162094
40°	101469
45°	57995
50°	30236
55°	16942
60°	10811
65°	6395
70°	4741
75°	2089
80°	3113
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 57995 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.6	9.1
10°-20°	696.8	23.9
20°-30°	895.5	30.8
30°-40°	673.7	23.1
40°-50°	270.6	9.3
50°-60°	76.9	2.6
60°-70°	24.4	0.8
70°-80°	6.9	0.2
80°-90°	0.6	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°	1857.9	63.8
0°-40°	2531.6	87.0
0°-60°	2879.1	98.9
0°-90°	2911.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2911.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2886	
5°	2834	266
15°	2487	697
25°	1977	895
35°	1081	674
45°	334	271
55°	79	77
65°	22	24
75°	4	7
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2886.4
2.5°	2868.9
5°	2833.7
7.5°	2767.8
10°	2684.3
12.5°	2583.4
15°	2486.7
17.5°	2376.8
20°	2258.1
22.5°	2130.9
25°	1977.0
27.5°	1792.4
30°	1577.3
32.5°	1335.5
35°	1080.8
37.5°	843.5
40°	632.7
42.5°	465.7
45°	333.8
47.5°	228.5
50°	158.2
52.5°	109.9
55°	79.1
57.5°	57.1
60°	44.0
62.5°	30.8
65°	22.0
67.5°	17.6
70°	13.2
72.5°	8.8
75°	4.4
77.5°	4.4
80°	4.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)