

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: P1500434

Luminaire Tested: LD4C65D010 EU4659040 4LBMH

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-2019
Report Number: P1500434
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: LD4C65D010 EU4659040 4LBMH
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 4LBM TRIM FINISH
Light Source: -
Ballast/Driver: -

Summary

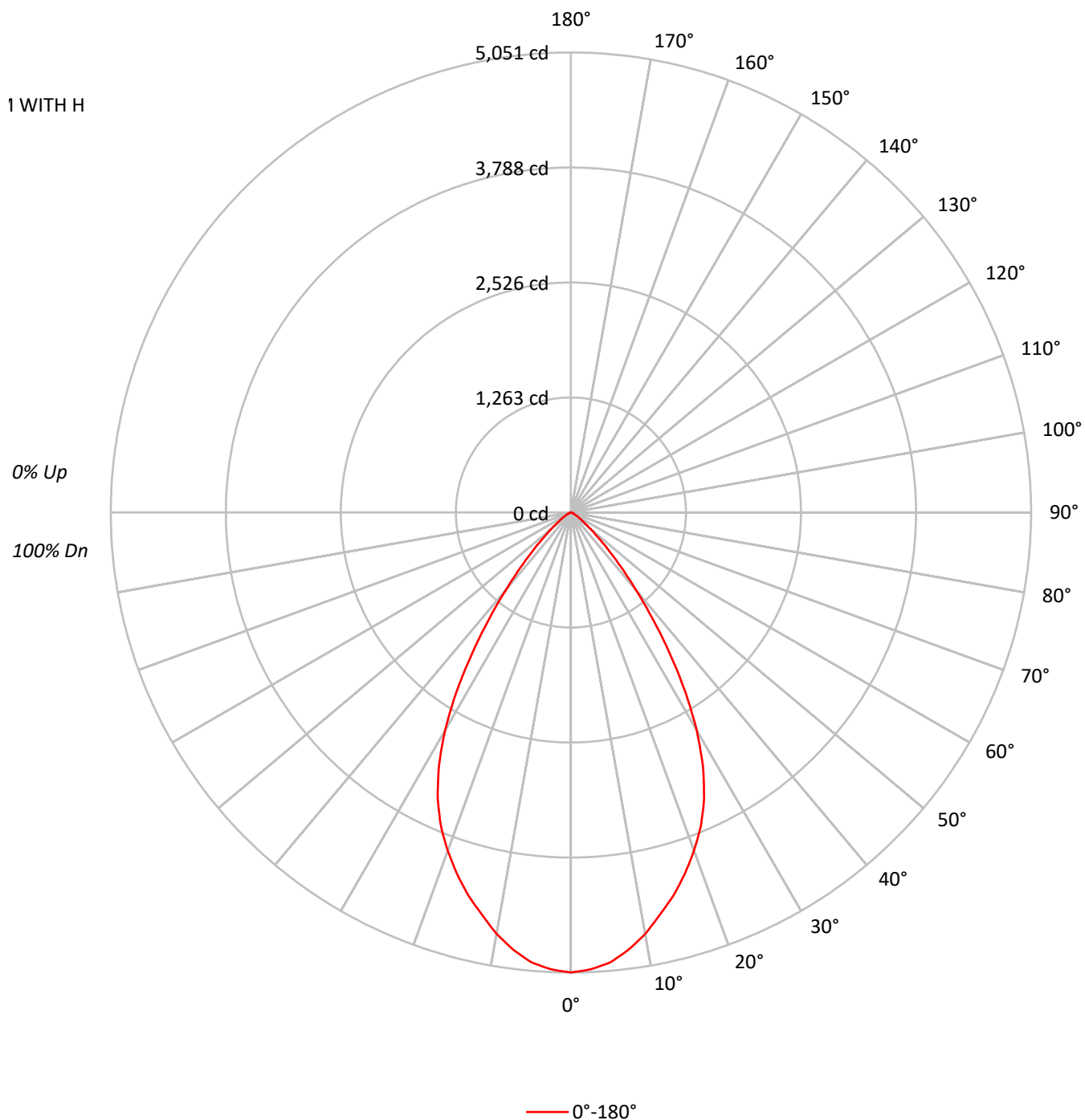
Lumens per Lamp: N/A
Luminaire Lumens: 5094.0 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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°	620533
5°	611521
10°	585970
15°	553455
20°	516611
25°	468962
30°	391545
35°	283650
40°	177566
45°	101500
50°	52923
55°	29644
60°	18895
65°	11192
70°	8298
75°	3655
80°	5448
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 101500 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	464.8	9.1
10°-20°	1219.3	23.9
20°-30°	1567.0	30.8
30°-40°	1179.0	23.1
40°-50°	473.5	9.3
50°-60°	134.6	2.6
60°-70°	42.6	0.8
70°-80°	12.2	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°	3251.1	63.8
0°-40°	4430.1	87.0
0°-60°	5038.2	98.9
0°-90°	5094.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5094.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5051	
5°	4959	465
15°	4352	1219
25°	3460	1567
35°	1891	1179
45°	584	474
55°	138	135
65°	38	43
75°	8	12
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	5051.0
2.5°	5020.3
5°	4958.7
7.5°	4843.4
10°	4697.2
12.5°	4520.7
15°	4351.5
17.5°	4159.2
20°	3951.5
22.5°	3728.8
25°	3459.6
27.5°	3136.6
30°	2760.1
32.5°	2337.1
35°	1891.3
37.5°	1476.0
40°	1107.2
42.5°	814.9
45°	584.2
47.5°	399.9
50°	276.9
52.5°	192.3
55°	138.4
57.5°	100.0
60°	76.9
62.5°	53.8
65°	38.5
67.5°	30.8
70°	23.1
72.5°	15.4
75°	7.7
77.5°	7.7
80°	7.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)