

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: P1500437

Luminaire Tested: LD4C70D010 EU4709030 4LBMH

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-2019
Report Number: P1500437
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: LD4C70D010 EU4709030 4LBMH
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 4LBM TRIM FINISH
Light Source: -
Ballast/Driver: -

Summary

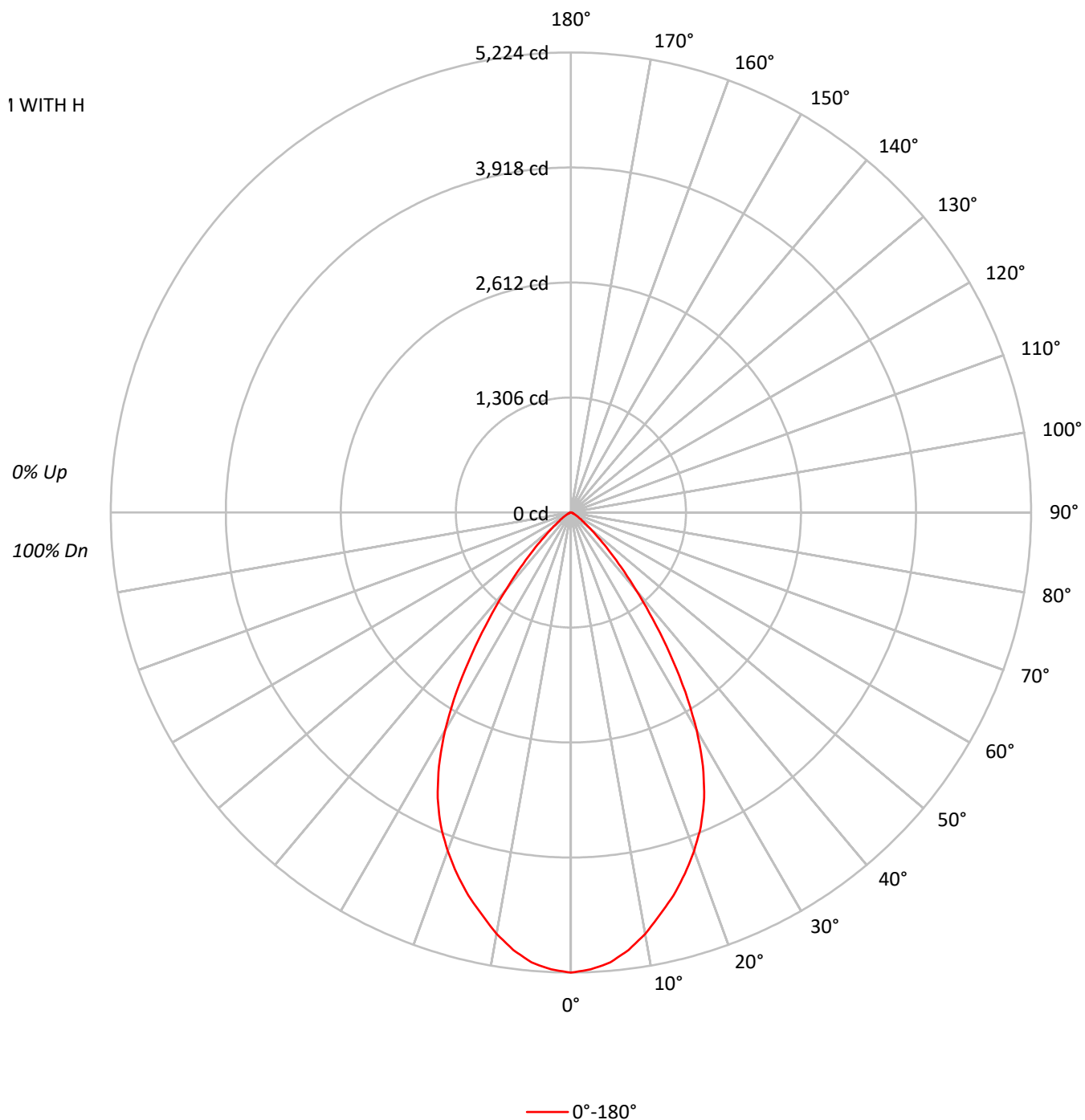
Lumens per Lamp: N/A
Luminaire Lumens: 5269.1 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 78
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°	641848
5°	632535
10°	606104
15°	572470
20°	534365
25°	485079
30°	404993
35°	293399
40°	183660
45°	104992
50°	54739
55°	30672
60°	19558
65°	11570
70°	8585
75°	3797
80°	5660
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 104992 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	480.7	9.1
10°-20°	1261.2	23.9
20°-30°	1620.9	30.8
30°-40°	1219.5	23.1
40°-50°	489.8	9.3
50°-60°	139.2	2.6
60°-70°	44.1	0.8
70°-80°	12.6	0.2
80°-90°	1.1	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°	3362.8	63.8
0°-40°	4582.3	87.0
0°-60°	5211.3	98.9
0°-90°	5269.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5269.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5224	
5°	5129	481
15°	4501	1261
25°	3578	1621
35°	1956	1219
45°	604	490
55°	143	139
65°	40	44
75°	8	13
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5224.5
2.5°	5192.7
5°	5129.1
7.5°	5009.7
10°	4858.6
12.5°	4676.0
15°	4501.0
17.5°	4302.1
20°	4087.3
22.5°	3856.9
25°	3578.5
27.5°	3244.4
30°	2854.9
32.5°	2417.4
35°	1956.3
37.5°	1526.7
40°	1145.2
42.5°	842.9
45°	604.3
47.5°	413.7
50°	286.4
52.5°	198.9
55°	143.2
57.5°	103.4
60°	79.6
62.5°	55.7
65°	39.8
67.5°	31.8
70°	23.9
72.5°	15.9
75°	8.0
77.5°	8.0
80°	8.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)