

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: P1179724

Luminaire Tested: LDA2B208035R2050D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179724
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B208035R2050D010 2LBDC1MB
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

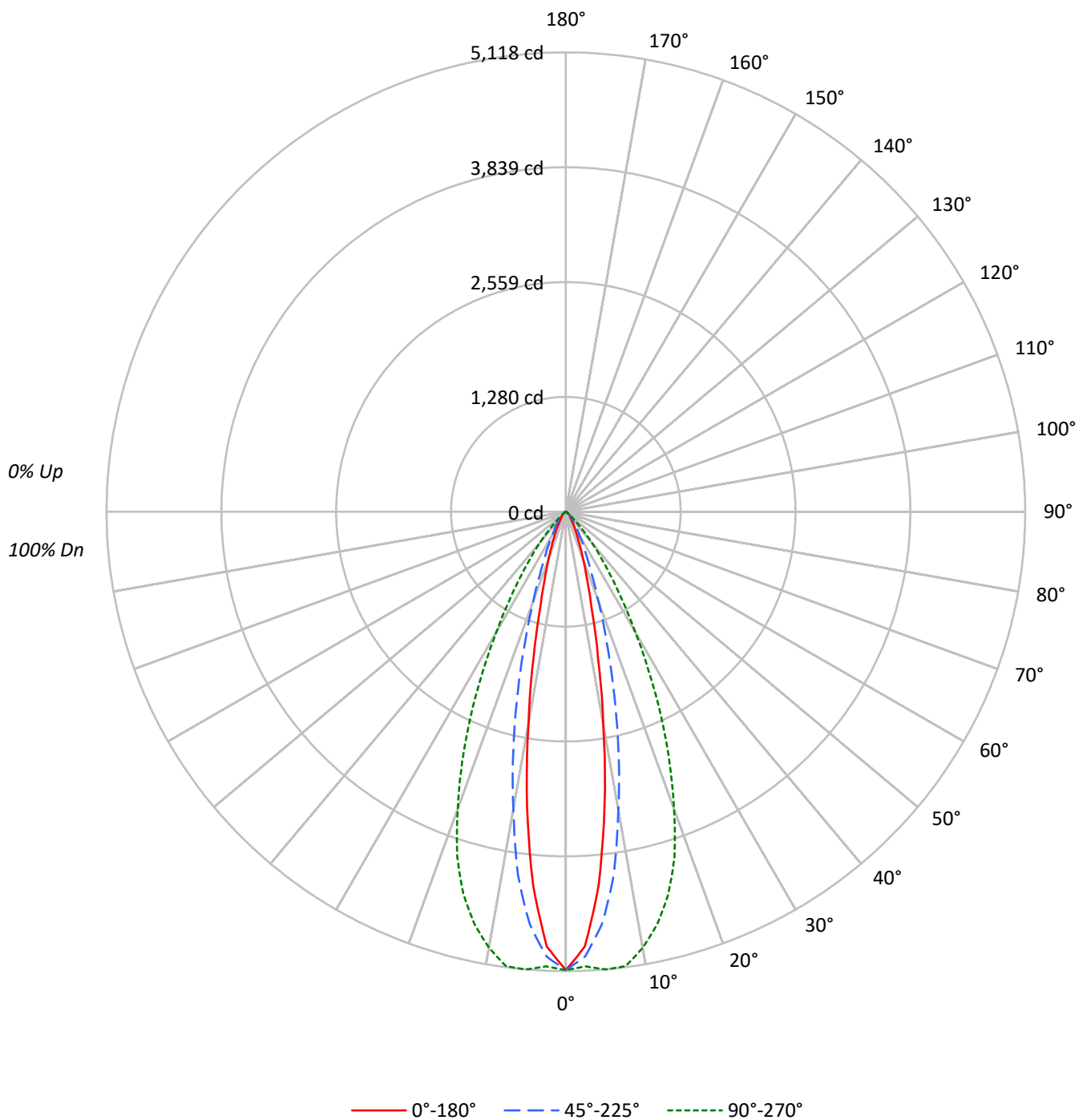
Lumens per Lamp: N/A
Luminaire Lumens: 1835.2 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 20.6
Input Voltage (V): NR
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	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		90
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80
7	89	81	76	72	88	80	75	72	79	75	71		78	74	71		77
8	85	77	72	69	84	77	72	69	76	71	68		75	71	68		74
9	82	74	69	66	81	74	69	66	73	68	65		72	68	65		71
10	79	71	66	63	79	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2518809	2518809	2518809
5°	2070823	2284869	2534770
10°	1202034	1688428	2471298
15°	560055	1051564	2252119
20°	295116	554426	1851079
25°	163418	300163	1365266
30°	95821	175862	882955
35°	61553	117987	523143
40°	47981	79539	290719
45°	41584	47515	129218
50°	37609	32697	47357
55°	25632	23826	21934
60°	18945	16774	16774
65°	14943	12374	14943
70°	12261	12261	12261
75°	12200	12200	12200
80°	12217	12217	12217
85°	11887	11887	11887

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 129218 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.5	22.2
10°-20°	665.6	36.3
20°-30°	444.0	24.2
30°-40°	200.2	10.9
40°-50°	73.3	4.0
50°-60°	25.6	1.4
60°-70°	12.0	0.7
70°-80°	6.3	0.3
80°-90°	1.7	0.1
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°	1516.1	82.6
0°-40°	1716.3	93.5
0°-60°	1815.2	98.9
0°-90°	1835.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1835.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5105	5105	5105	5105	5105	
5°	4181	4311	4614	4950	5118	341
15°	1096	1288	2059	3479	4409	328
25°	300	349	551	1503	2508	145
35°	102	115	196	424	869	68
45°	60	60	68	106	185	47
55°	30	28	28	23	26	28
65°	13	13	11	11	13	13
75°	6	6	6	6	6	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5105.4	5105.4	5105.4	5105.4	5105.4
2.5°	4847.8	4898.9	4958.5	5020.3	5069.3
5°	4181.4	4311.3	4613.6	4950.0	5118.2
7.5°	3306.4	3498.0	4085.6	4749.9	5105.4
10°	2399.4	2644.3	3370.3	4402.9	4933.0
12.5°	1650.0	1879.9	2703.9	3964.3	4705.2
15°	1096.5	1288.1	2058.8	3478.9	4409.3
17.5°	772.8	902.7	1496.7	2948.7	4028.2
20°	562.1	649.4	1056.0	2429.2	3525.7
22.5°	408.8	474.8	751.6	1941.7	3016.9
25°	300.2	349.2	551.4	1503.1	2508.0
27.5°	223.5	261.9	413.0	1141.2	1999.2
30°	168.2	200.1	308.7	841.0	1549.9
32.5°	129.9	151.2	236.3	600.4	1173.1
35°	102.2	115.0	195.9	423.7	868.6
37.5°	85.2	93.7	161.8	295.9	636.6
40°	74.5	80.9	123.5	210.8	451.4
42.5°	66.0	70.3	89.4	151.2	293.8
45°	59.6	59.6	68.1	106.5	185.2
47.5°	55.4	49.0	53.2	74.5	108.6
50°	49.0	40.5	42.6	51.1	61.7
52.5°	38.3	34.1	34.1	34.1	36.2
55°	29.8	27.7	27.7	23.4	25.5
57.5°	23.4	23.4	21.3	19.2	21.3
60°	19.2	19.2	17.0	14.9	17.0
62.5°	14.9	14.9	12.8	12.8	14.9
65°	12.8	12.8	10.6	10.6	12.8
67.5°	10.6	10.6	10.6	8.5	10.6
70°	8.5	8.5	8.5	8.5	8.5
72.5°	6.4	6.4	8.5	6.4	6.4
75°	6.4	6.4	6.4	6.4	6.4
77.5°	4.3	4.3	4.3	4.3	4.3
80°	4.3	4.3	4.3	4.3	4.3
82.5°	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)