

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: P1179687

Luminaire Tested: LDA2B208030R2050D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179687
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: LDA2B208030R2050D010 2LBDC1MB
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

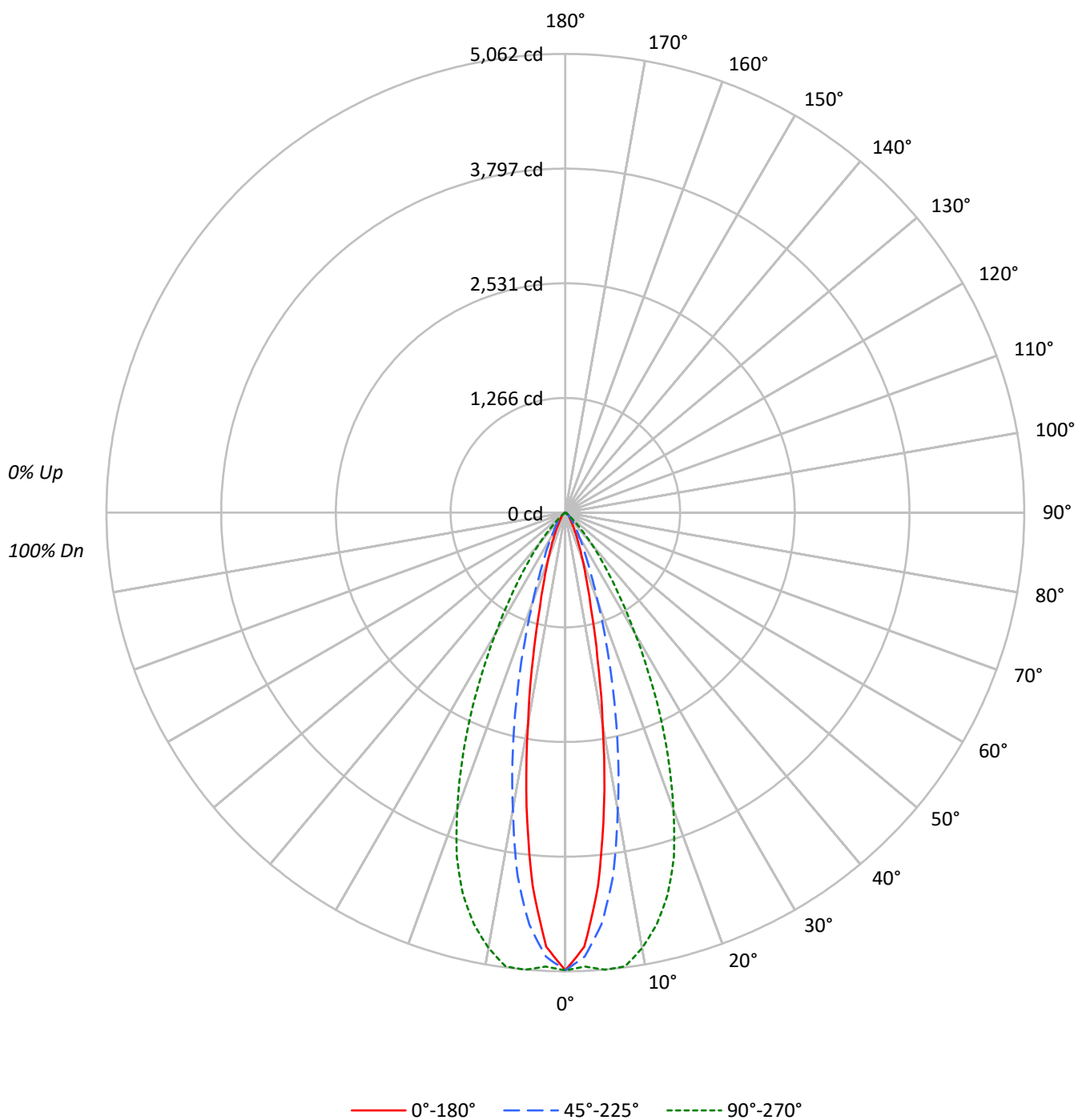
Lumens per Lamp: N/A
Luminaire Lumens: 1815.0 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	2491181	2491181	2491181
5°	2048141	2259809	2506987
10°	1188858	1669892	2444196
15°	553874	1040021	2227398
20°	291861	548336	1830761
25°	161622	296896	1350296
30°	94739	173925	873270
35°	60891	116662	517422
40°	47466	78637	287499
45°	41165	47026	127822
50°	37149	32313	46896
55°	25374	23568	21762
60°	18748	16577	16577
65°	14709	12258	14709
70°	12117	12117	12117
75°	12009	12009	12009
80°	11933	11933	11933
85°	11887	11887	11887

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 127822 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.0	22.2
10°-20°	658.3	36.3
20°-30°	439.1	24.2
30°-40°	198.0	10.9
40°-50°	72.5	4.0
50°-60°	25.4	1.4
60°-70°	11.8	0.7
70°-80°	6.2	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°	1499.5	82.6
0°-40°	1697.4	93.5
0°-60°	1795.2	98.9
0°-90°	1815.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1815.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5049	5049	5049	5049	5049	
5°	4136	4264	4563	4896	5062	338
15°	1084	1274	2036	3441	4361	325
25°	297	345	545	1487	2480	143
35°	101	114	194	419	859	67
45°	59	59	67	105	183	46
55°	30	27	27	23	25	28
65°	13	13	10	10	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°	5049.4	5049.4	5049.4	5049.4	5049.4
2.5°	4794.6	4845.2	4904.1	4965.2	5013.6
5°	4135.6	4264.0	4563.0	4895.7	5062.1
7.5°	3270.1	3459.6	4040.8	4697.8	5049.4
10°	2373.1	2615.3	3333.3	4354.5	4878.9
12.5°	1631.9	1859.3	2674.2	3920.8	4653.6
15°	1084.4	1273.9	2036.2	3440.7	4360.9
17.5°	764.4	892.8	1480.3	2916.4	3983.9
20°	555.9	642.2	1044.4	2402.6	3487.0
22.5°	404.3	469.6	743.3	1920.4	2983.7
25°	296.9	345.3	545.4	1486.6	2480.5
27.5°	221.1	259.0	408.5	1128.6	1977.2
30°	166.3	197.9	305.3	831.7	1532.9
32.5°	128.4	149.5	233.7	593.8	1160.2
35°	101.1	113.7	193.7	419.0	859.1
37.5°	84.2	92.6	160.0	292.7	629.6
40°	73.7	80.0	122.1	208.5	446.4
42.5°	65.3	69.5	88.4	149.5	290.6
45°	59.0	59.0	67.4	105.3	183.2
47.5°	54.7	48.4	52.6	73.7	107.4
50°	48.4	40.0	42.1	50.5	61.1
52.5°	37.9	33.7	33.7	33.7	35.8
55°	29.5	27.4	27.4	23.2	25.3
57.5°	23.2	23.2	21.1	19.0	21.1
60°	19.0	19.0	16.8	14.7	16.8
62.5°	14.7	14.7	12.6	12.6	14.7
65°	12.6	12.6	10.5	10.5	12.6
67.5°	10.5	10.5	10.5	8.4	10.5
70°	8.4	8.4	8.4	8.4	8.4
72.5°	6.3	6.3	8.4	6.3	6.3
75°	6.3	6.3	6.3	6.3	6.3
77.5°	4.2	4.2	4.2	4.2	4.2
80°	4.2	4.2	4.2	4.2	4.2
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)