

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: P1179723

Luminaire Tested: LDA2B208035R2050D010 2LBD1WMH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179723
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 2LBD1WMH
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

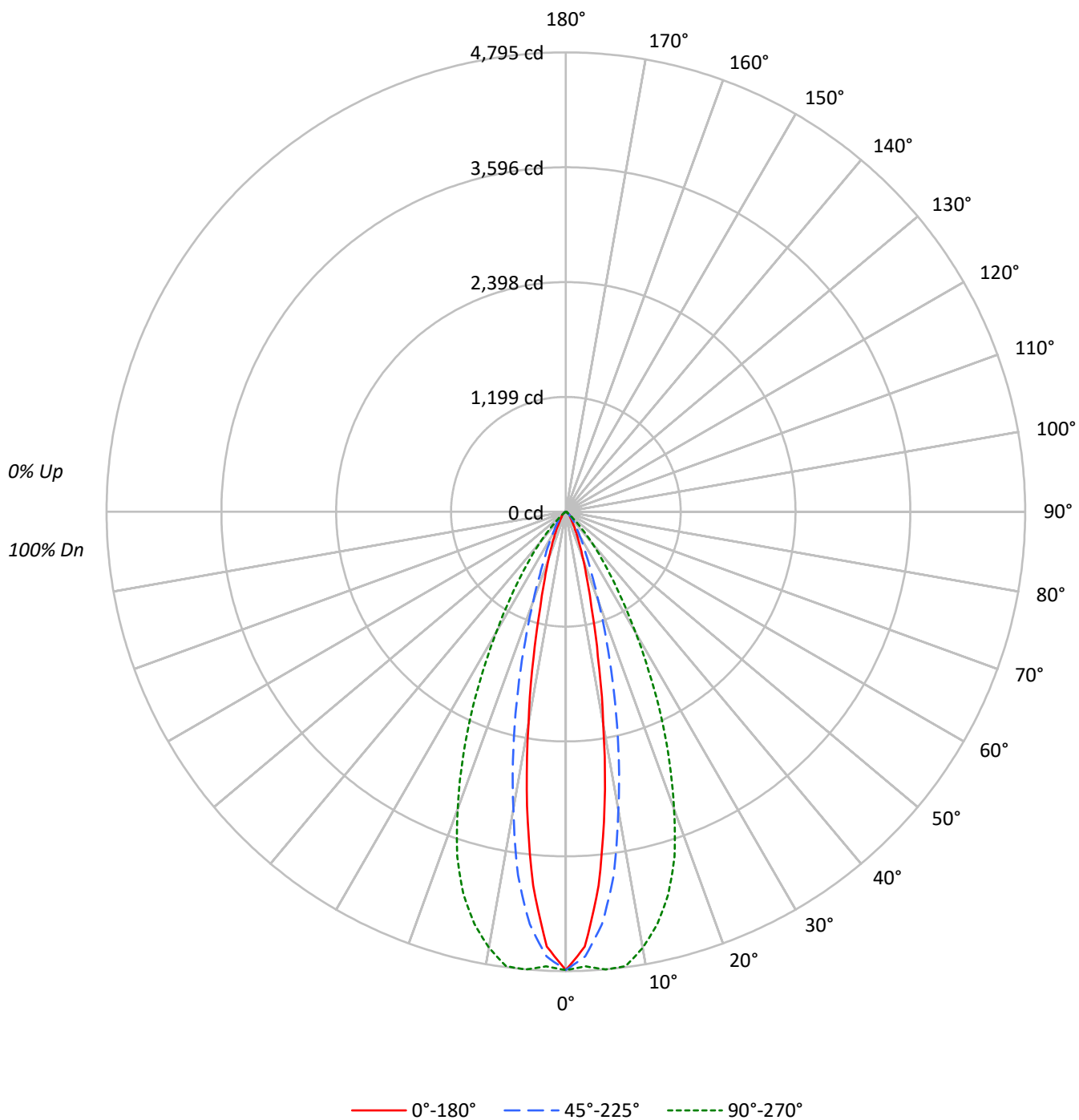
Lumens per Lamp: N/A
Luminaire Lumens: 1719.4 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1179723

CATALOG NUMBER: LDA2B208035R2050D010 2LBD1WMH

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°	2359848	2359848	2359848
5°	1940128	2140653	2374756
10°	1126187	1581821	2315295
15°	524659	985165	2109922
20°	276478	519407	1734209
25°	153075	281219	1279093
30°	89782	164753	827240
35°	57639	110519	490138
40°	44954	74515	272364
45°	39002	44514	121054
50°	35230	30625	44364
55°	23998	22278	20558
60°	17761	15788	15788
65°	14009	11674	14009
70°	11540	11540	11540
75°	11437	11437	11437
80°	11365	11365	11365
85°	11321	11321	11321

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 121054 cd/sqm

TEST NUMBER: P1179723

CATALOG NUMBER: LDA2B208035R2050D010 2LBD1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	380.8	22.1
10°-20°	623.6	36.3
20°-30°	416.0	24.2
30°-40°	187.5	10.9
40°-50°	68.6	4.0
50°-60°	24.0	1.4
60°-70°	11.3	0.7
70°-80°	5.9	0.3
80°-90°	1.6	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°	1420.4	82.6
0°-40°	1607.9	93.5
0°-60°	1700.6	98.9
0°-90°	1719.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1719.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4783	4783	4783	4783	4783	
5°	3918	4039	4322	4638	4795	320
15°	1027	1207	1929	3259	4131	308
25°	281	327	517	1408	2350	136
35°	96	108	184	397	814	63
45°	56	56	64	100	174	44
55°	28	26	26	22	24	26
65°	12	12	10	10	12	12
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°	4783.2	4783.2	4783.2	4783.2	4783.2
2.5°	4541.8	4589.7	4645.5	4703.4	4749.3
5°	3917.5	4039.2	4322.4	4637.6	4795.1
7.5°	3097.7	3277.2	3827.7	4450.1	4783.2
10°	2248.0	2477.4	3157.5	4124.9	4621.6
12.5°	1545.9	1761.3	2533.2	3714.0	4408.2
15°	1027.2	1206.8	1928.8	3259.3	4130.9
17.5°	724.1	845.7	1402.2	2762.6	3773.9
20°	526.6	608.4	989.3	2275.9	3303.1
22.5°	383.0	444.8	704.1	1819.1	2826.4
25°	281.2	327.1	516.6	1408.2	2349.7
27.5°	209.4	245.3	387.0	1069.1	1873.0
30°	157.6	187.5	289.2	787.9	1452.1
32.5°	121.7	141.6	221.4	562.5	1099.1
35°	95.7	107.7	183.5	396.9	813.8
37.5°	79.8	87.8	151.6	277.3	596.4
40°	69.8	75.8	115.7	197.5	422.9
42.5°	61.8	65.8	83.8	141.6	275.3
45°	55.9	55.9	63.8	99.7	173.5
47.5°	51.9	45.9	49.9	69.8	101.7
50°	45.9	37.9	39.9	47.9	57.8
52.5°	35.9	31.9	31.9	31.9	33.9
55°	27.9	25.9	25.9	21.9	23.9
57.5°	21.9	21.9	19.9	18.0	19.9
60°	18.0	18.0	16.0	14.0	16.0
62.5°	14.0	14.0	12.0	12.0	14.0
65°	12.0	12.0	10.0	10.0	12.0
67.5°	10.0	10.0	10.0	8.0	10.0
70°	8.0	8.0	8.0	8.0	8.0
72.5°	6.0	6.0	8.0	6.0	6.0
75°	6.0	6.0	6.0	6.0	6.0
77.5°	4.0	4.0	4.0	4.0	4.0
80°	4.0	4.0	4.0	4.0	4.0
82.5°	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0
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)