

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: P1179206

Luminaire Tested: LDA2B158035R2040D010 2LBD1WHH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179206
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B158035R2040D010 2LBD1WHH
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

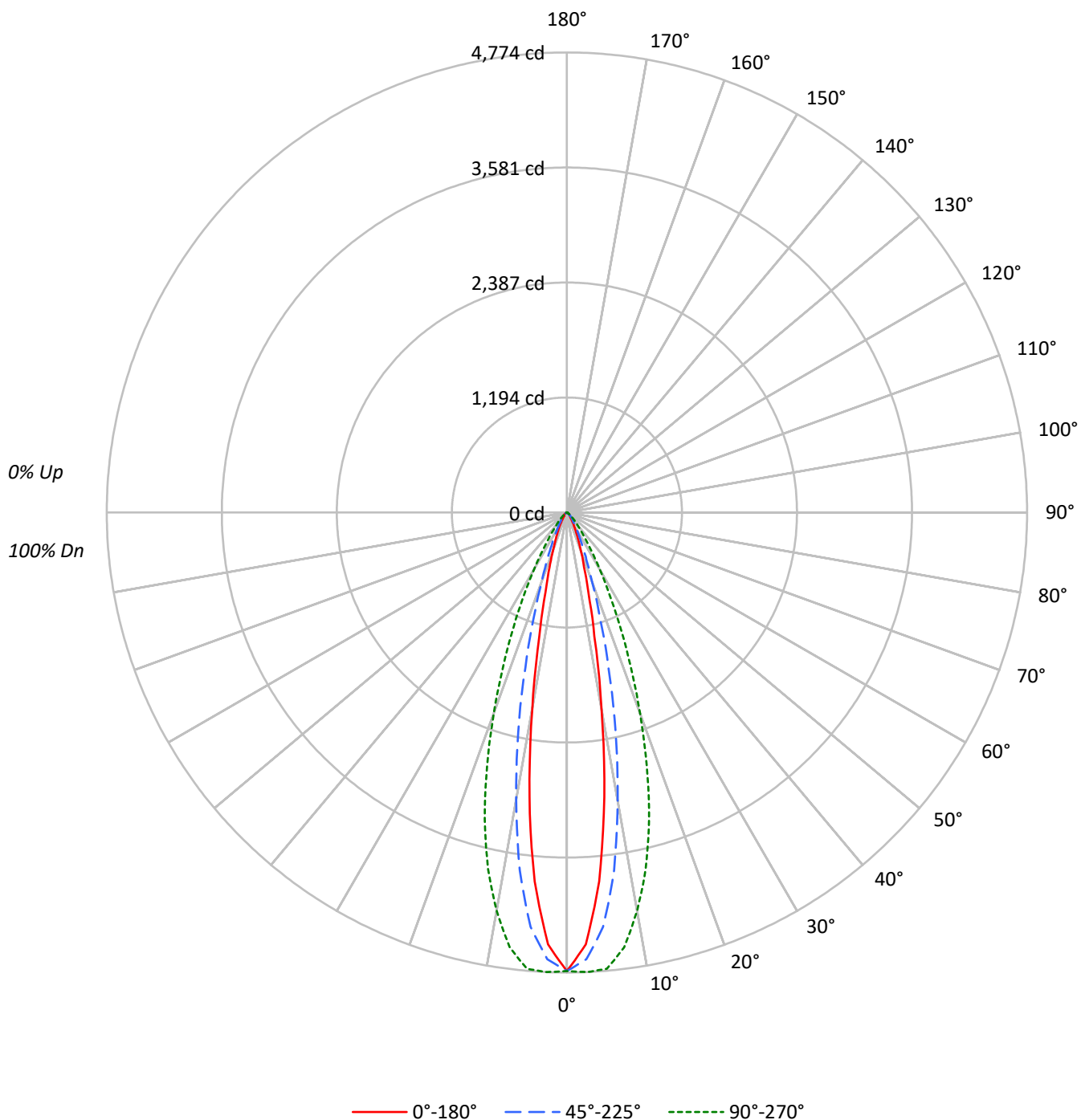
Lumens per Lamp: N/A
Luminaire Lumens: 1341.0 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.1
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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91		94	92	89		92	90	88	87
4	102	95	91	88	100	94	90	87	92	89	86		90	87	85		89	86	84	83
5	98	91	86	83	97	90	86	83	89	85	82		87	84	81		86	83	81	79
6	95	87	83	79	93	87	82	79	85	81	78		84	80	78		83	80	77	76
7	91	84	79	76	90	83	79	75	82	78	75		81	77	75		80	77	74	73
8	88	81	76	73	87	80	76	72	79	75	72		78	75	72		77	74	72	70
9	85	78	73	70	84	77	73	70	76	72	70		76	72	69		75	72	69	68
10	83	75	70	67	82	75	70	67	74	70	67		73	70	67		73	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2347465	2347465	2347465
5°	1902786	2137137	2353559
10°	1034509	1517346	2101681
15°	437573	851498	1682258
20°	223398	400384	1163192
25°	123680	204790	708980
30°	69274	113766	386645
35°	40112	68841	196947
40°	29819	52167	109036
45°	26234	35305	64609
50°	27785	23333	34462
55°	19955	16171	18665
60°	12827	11446	11446
65°	10156	10156	10156
70°	8366	8366	8366
75°	8197	8197	8197
80°	8239	8239	8239
85°	7925	7925	7925

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 64609 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.7	27.6
10°-20°	524.3	39.1
20°-30°	270.1	20.1
30°-40°	99.4	7.4
40°-50°	43.7	3.3
50°-60°	19.2	1.4
60°-70°	8.4	0.6
70°-80°	4.2	0.3
80°-90°	1.2	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°	1165.1	86.9
0°-40°	1264.5	94.3
0°-60°	1327.3	99.0
0°-90°	1341.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1341.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4758	4758	4758	4758	4758	
5°	3842	3972	4315	4621	4752	309
15°	857	996	1667	2781	3294	262
25°	227	255	376	864	1302	109
35°	67	77	114	200	327	45
45°	38	43	51	61	93	30
55°	23	20	19	20	22	21
65°	9	9	9	7	9	9
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4758.1	4758.1	4758.1	4758.1	4758.1
2.5°	4486.1	4539.6	4639.4	4735.0	4774.0
5°	3842.1	3972.3	4315.3	4620.6	4752.3
7.5°	2975.3	3189.4	3745.1	4316.7	4551.2
10°	2065.0	2282.1	3028.8	3850.8	4195.2
12.5°	1316.9	1528.2	2334.2	3334.2	3781.3
15°	856.7	995.6	1667.1	2781.4	3293.6
17.5°	594.8	693.2	1134.5	2195.3	2753.9
20°	425.5	494.9	762.6	1674.3	2215.5
22.5°	308.2	356.0	529.6	1222.8	1722.1
25°	227.2	254.7	376.2	863.9	1302.4
27.5°	167.9	185.2	272.1	596.2	952.2
30°	121.6	136.0	199.7	409.5	678.7
32.5°	88.3	101.3	149.1	283.6	473.2
35°	66.6	76.7	114.3	199.7	327.0
37.5°	55.0	60.8	94.1	144.7	231.5
40°	46.3	52.1	81.0	107.1	169.3
42.5°	40.5	47.8	66.6	79.6	127.3
45°	37.6	43.4	50.6	60.8	92.6
47.5°	37.6	36.2	39.1	46.3	65.1
50°	36.2	30.4	30.4	36.2	44.9
52.5°	30.4	24.6	24.6	26.0	30.4
55°	23.2	20.3	18.8	20.3	21.7
57.5°	17.4	17.4	15.9	14.5	15.9
60°	13.0	13.0	11.6	11.6	11.6
62.5°	10.1	10.1	10.1	8.7	10.1
65°	8.7	8.7	8.7	7.2	8.7
67.5°	7.2	7.2	5.8	7.2	7.2
70°	5.8	5.8	5.8	5.8	5.8
72.5°	4.3	4.3	4.3	4.3	4.3
75°	4.3	4.3	4.3	4.3	4.3
77.5°	2.9	2.9	2.9	2.9	2.9
80°	2.9	2.9	2.9	2.9	2.9
82.5°	1.4	1.4	1.4	1.4	1.4
85°	1.4	1.4	1.4	1.4	1.4
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)