

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: P1323905

Luminaire Tested: LDSQA3D13R309030D2WDE010 3LSQPHR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323905
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R309030D2WDE010 3LSQPHR1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

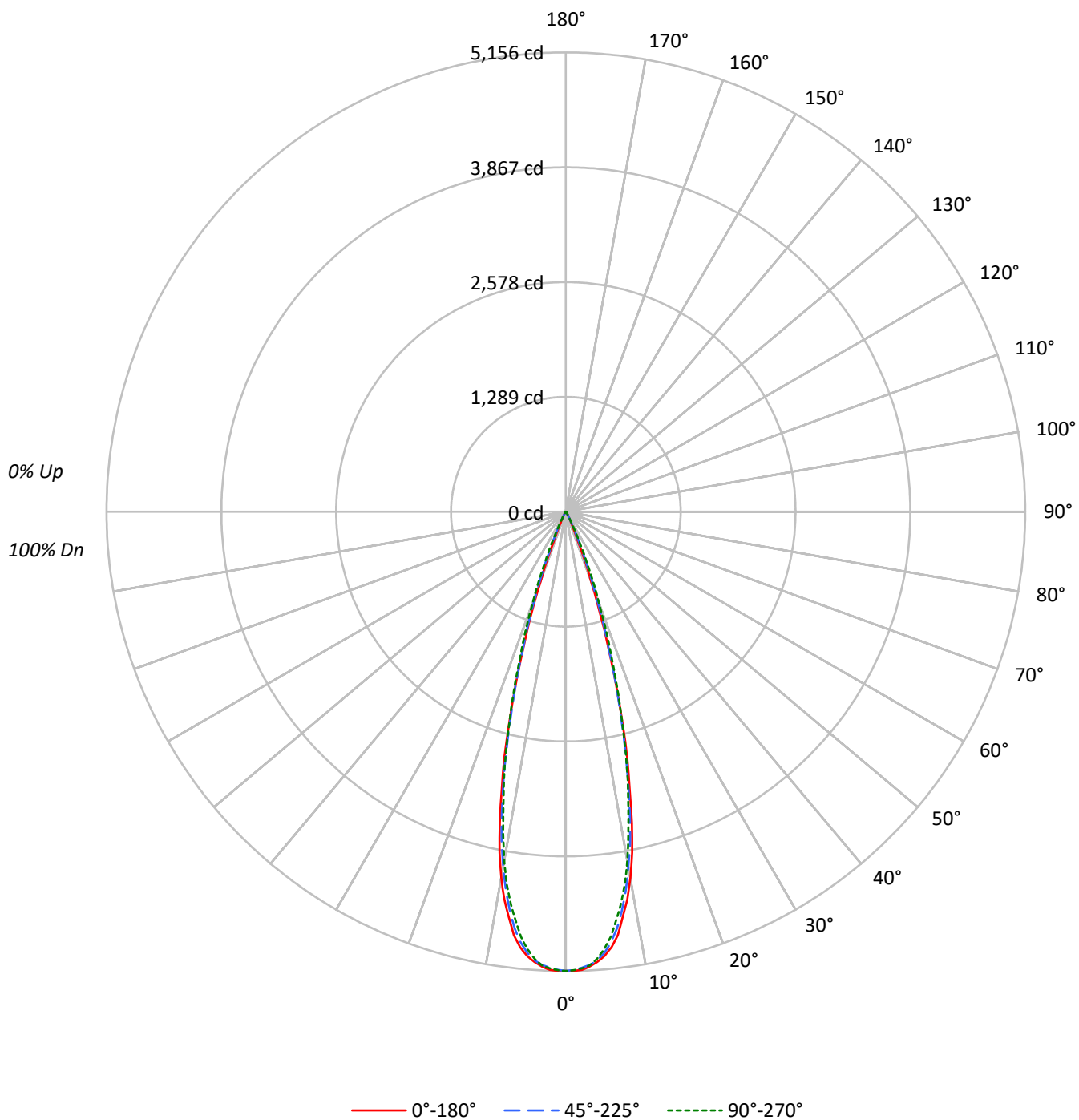
Lumens per Lamp: N/A
Luminaire Lumens: 1249.0 lumens
Efficiency: N/A
Efficacy: 62.1 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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
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	115	113	111	110	113	111	109	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	101	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	93	90	95	91	89		93	90	88		92
6	100	94	90	87	99	93	90	87	92	89	86		91	88	86		90
7	97	91	87	84	96	91	87	84	90	86	84		88	86	83		88
8	95	89	85	82	94	88	84	82	87	84	82		86	83	81		86
9	92	86	82	80	92	86	82	80	85	82	79		84	81	79		84
10	90	84	80	78	90	84	80	78	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	887756	887756	887756
5°	864887	858939	851869
10°	729894	707492	696003
15°	439861	427559	435439
20°	149205	172297	198726
25°	27421	42965	50737
30°	9426	10500	11773
35°	2712	3406	3616
40°	719	1214	967
45°	268	268	268
50°	295	0	295
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 311 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.7	35.7
10°-20°	651.4	52.2
20°-30°	137.8	11.0
30°-40°	12.7	1.0
40°-50°	1.2	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	1235.0	98.9
0°-40°	1247.7	99.9
0°-60°	1249.0	100.0
0°-90°	1249.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1249.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5155	5155	5155	5155	5155	
5°	5003	4993	4968	4953	4928	452
15°	2467	2458	2398	2454	2442	651
25°	144	162	226	266	267	105
35°	13	16	16	19	17	11
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5154.7	5154.7	5154.7	5154.7	5154.7
1°	5155.7	5150.4	5142.8	5153.6	5146.1
2°	5145.0	5132.1	5121.3	5132.1	5128.8
3°	5112.7	5101.9	5094.4	5099.8	5099.8
4°	5064.2	5052.4	5045.9	5047.0	5030.8
5°	5002.8	4993.2	4968.4	4953.3	4927.5
6°	4912.4	4888.7	4858.6	4833.8	4800.4
7°	4789.6	4753.0	4710.0	4666.9	4624.9
8°	4592.6	4575.4	4517.2	4488.1	4446.1
9°	4407.4	4365.4	4302.9	4255.5	4232.9
10°	4173.7	4111.2	4045.6	4007.9	3979.9
11°	3897.0	3833.4	3780.7	3725.8	3682.7
12°	3571.8	3517.9	3457.6	3421.0	3370.4
13°	3186.3	3178.7	3110.9	3099.0	3092.6
14°	2855.7	2825.5	2758.8	2777.1	2781.4
15°	2467.0	2458.3	2398.0	2454.0	2442.2
17.5°	1545.2	1548.4	1586.1	1674.4	1702.4
20°	814.1	838.8	940.1	1046.7	1084.3
22.5°	329.5	384.4	487.8	559.9	608.4
25°	144.3	161.5	226.1	266.0	267.0
27.5°	81.8	82.9	108.8	113.1	115.2
30°	47.4	48.5	52.8	56.0	59.2
32.5°	25.8	28.0	29.1	33.4	33.4
35°	12.9	16.2	16.2	19.4	17.2
37.5°	7.5	8.6	9.7	9.7	8.6
40°	3.2	4.3	5.4	5.4	4.3
42.5°	1.1	2.2	2.2	2.2	3.2
45°	1.1	1.1	1.1	1.1	1.1
47.5°	1.1	1.1	0.0	1.1	1.1
50°	1.1	0.0	0.0	0.0	1.1
52.5°	1.1	0.0	0.0	0.0	1.1
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)