

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: P1320415

Luminaire Tested: LDSQA3D20R359840D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320415
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R359840D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

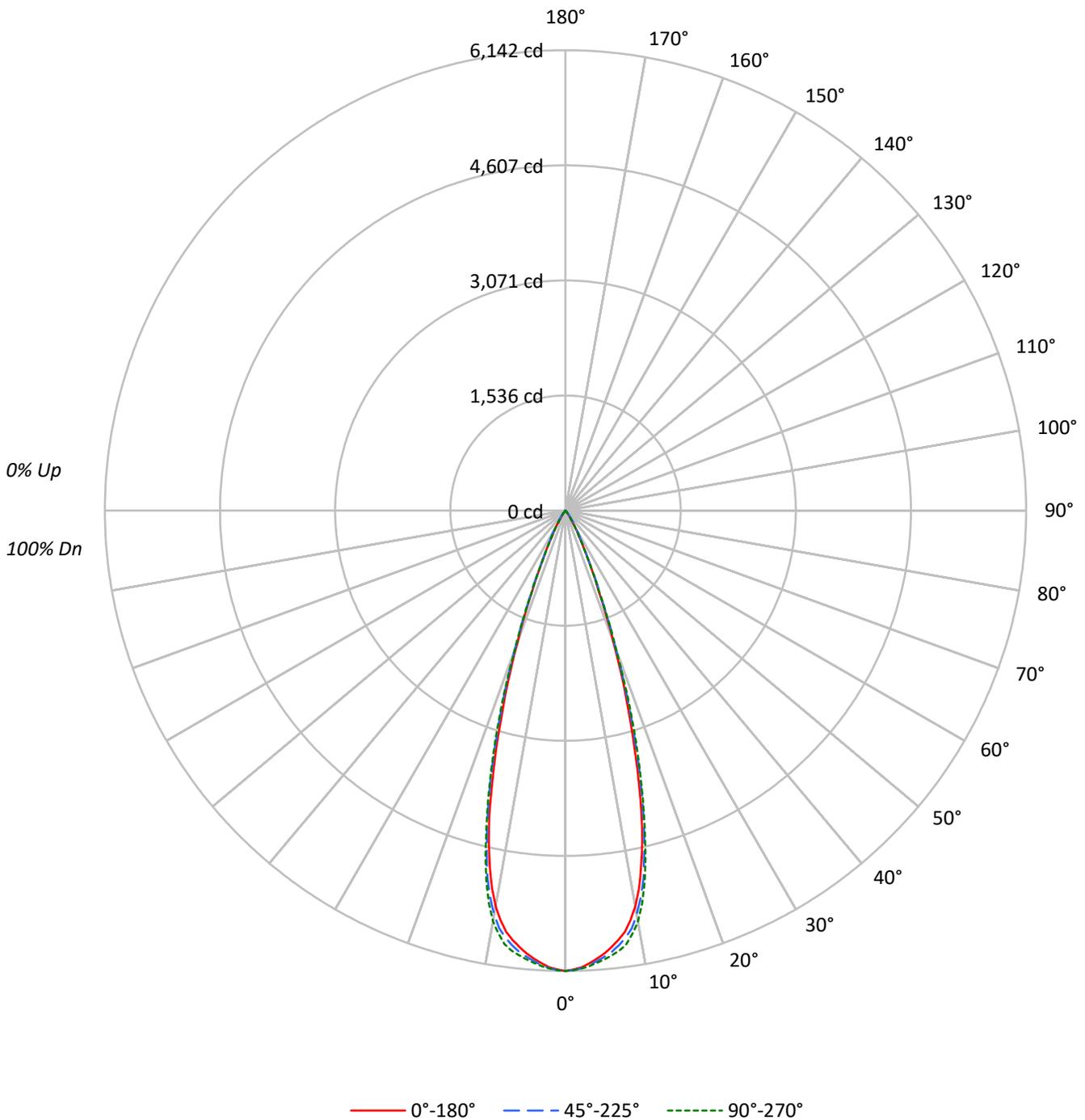
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2045.0 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1320415
CATALOG NUMBER: LDSQA3D20R359840D010 3LSQCDR1MB

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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96	96	96	96
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93	93	93	93
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89	89	89	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86	86	86	86
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83	83	83	83
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80	80	80	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78	78	78	78
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	75	75	75	75
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	73	73	73	73
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	71	71	71	71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1057791	1057791	1057791
5°	1025717	1032996	1038597
10°	937301	957133	973554
15°	674038	703510	709287
20°	343165	360393	361273
25°	130187	132962	129275
30°	50572	58626	49279
35°	17366	27248	16336
40°	5823	10567	5463
45°	390	3556	390
50°	0	429	0
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: 45°
 Vertical Angle: 45°
 Luminance: 3556 cd/sqm



TEST NUMBER: P1320415

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	556.0	27.2
10°-20°	1035.9	50.7
20°-30°	372.3	18.2
30°-40°	72.7	3.6
40°-50°	8.1	0.4
50°-60°	0.0	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°	1964.2	96.0
0°-40°	2036.9	99.6
0°-60°	2045.0	100.0
0°-90°	2045.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2045.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6142	6142	6142	6142	6142	
5°	5933	5949	5975	6003	6008	550
15°	3780	3844	3946	3973	3978	1005
25°	685	692	700	695	680	359
35°	83	94	130	96	78	61
45°	2	5	15	5	2	4
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



TEST NUMBER: P1320415
 CATALOG NUMBER: LDSQA3D20R359840D010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6142.0	6142.0	6142.0	6142.0	6142.0
1°	6124.2	6132.3	6133.9	6145.3	6132.3
2°	6098.3	6103.1	6109.6	6119.3	6112.9
3°	6048.1	6057.8	6072.4	6085.3	6085.3
4°	5994.6	6007.6	6025.4	6048.1	6046.5
5°	5933.1	5949.3	5975.2	6002.7	6007.6
6°	5855.3	5874.8	5916.9	5955.7	5962.2
7°	5772.7	5801.9	5842.4	5899.1	5913.6
8°	5675.5	5698.2	5756.5	5822.9	5839.1
9°	5533.0	5567.0	5641.5	5703.1	5712.8
10°	5359.7	5384.0	5473.1	5537.9	5567.0
11°	5136.2	5171.8	5259.3	5325.7	5345.1
12°	4851.1	4902.9	5005.0	5053.6	5069.8
13°	4543.3	4587.1	4666.4	4726.4	4739.3
14°	4196.7	4238.8	4321.4	4370.0	4358.7
15°	3780.4	3843.6	3945.7	3973.2	3978.1
17.5°	2792.4	2832.9	2923.6	2967.3	2998.1
20°	1872.4	1911.3	1966.4	1995.5	1971.2
22.5°	1138.7	1171.1	1200.2	1198.6	1190.5
25°	685.1	691.6	699.7	694.9	680.3
27.5°	400.1	417.9	442.2	426.0	401.7
30°	254.3	268.9	294.8	267.3	247.8
32.5°	134.4	170.1	197.6	160.4	140.9
35°	82.6	93.9	129.6	95.6	77.7
37.5°	50.2	58.3	81.0	56.7	45.4
40°	25.9	37.3	47.0	34.0	24.3
42.5°	8.1	17.8	25.9	16.2	8.1
45°	1.6	4.9	14.6	4.9	1.6
47.5°	0.0	0.0	6.5	1.6	0.0
50°	0.0	0.0	1.6	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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



TEST NUMBER: P1320415
CATALOG NUMBER: LDSQA3D20R359840D010 3LSQCDR1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)