

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: P1320271

Luminaire Tested: LDSQA3D17R359840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R359840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

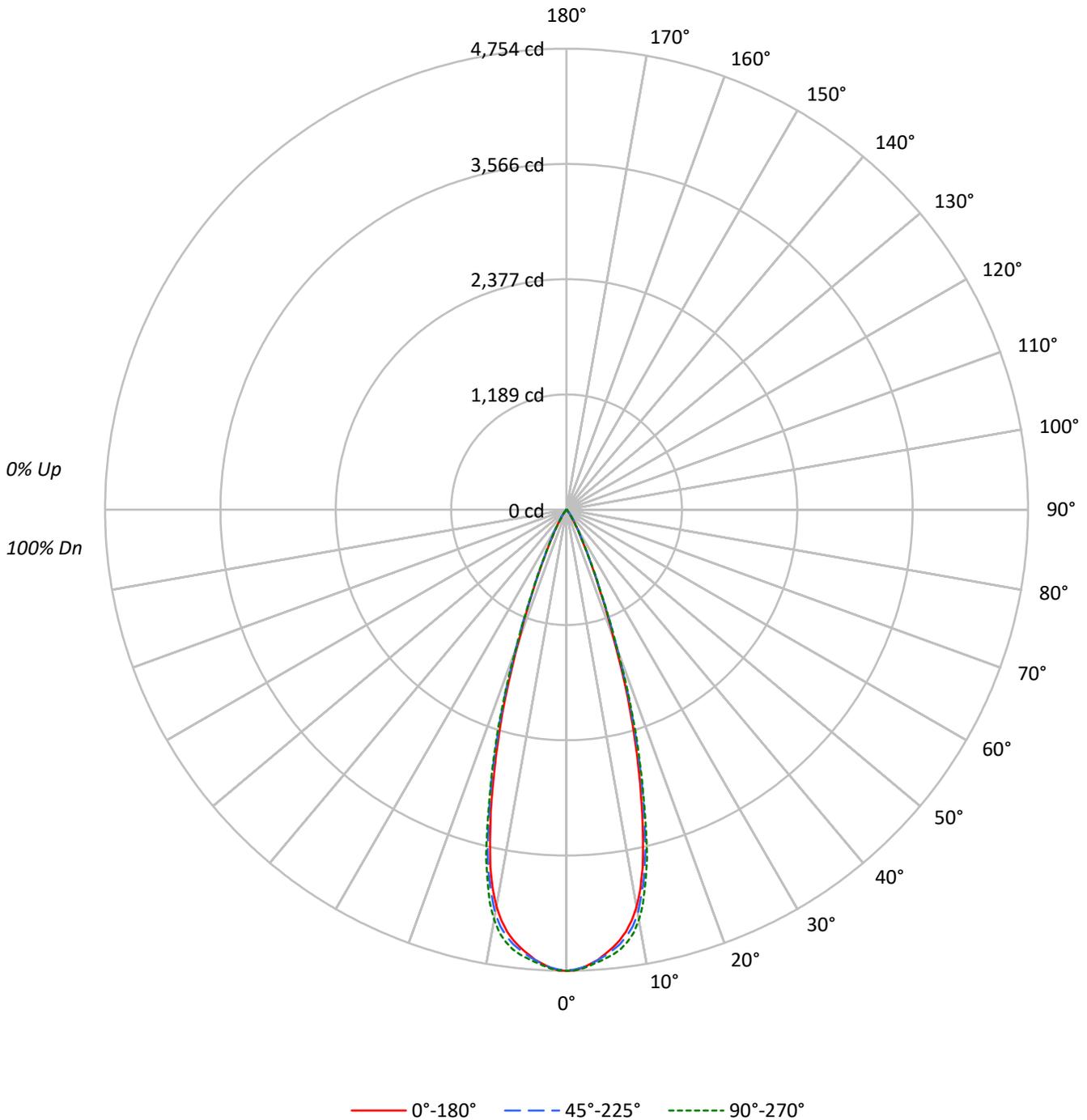
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1596.9 lumens
Efficiency: N/A
Efficacy: 78.3 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): 20.4
Input Voltage (V): NR
Input Current (A_{in}): 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: P1320271
CATALOG NUMBER: LDSQA3D17R359840DE010 3LSQCDR1MW

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	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	94	94	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	83	81	78	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	81	78	76	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	79	76	73	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	76	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	818798	818798	818798
5°	794559	797359	802753
10°	726816	739460	750792
15°	521718	540831	546376
20°	262432	277736	278414
25°	99460	102538	103013
30°	40390	46336	39654
35°	14675	22265	14149
40°	6160	9532	5890
45°	1510	3946	1510
50°	991	1661	991
55°	1111	1111	1111
60°	1274	1274	1274
65°	1019	1019	1019
70°	604	604	604
75°	799	799	799
80°	1190	1190	1190
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3946 cd/sqm



TEST NUMBER: P1320271

CATALOG NUMBER: LDSQA3D17R359840DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.8	26.9
10°-20°	800.8	50.1
20°-30°	288.0	18.0
30°-40°	60.5	3.8
40°-50°	10.4	0.7
50°-60°	3.4	0.2
60°-70°	2.5	0.2
70°-80°	1.3	0.1
80°-90°	0.2	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°	1518.7	95.1
0°-40°	1579.2	98.9
0°-60°	1593.0	99.8
0°-90°	1596.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1596.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4754	4754	4754	4754	4754	
5°	4596	4605	4612	4643	4643	426
15°	2926	2977	3033	3066	3064	779
25°	523	531	540	545	542	278
35°	70	82	106	81	67	53
45°	6	10	16	10	6	7
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1320271

CATALOG NUMBER: LDSQA3D17R359840DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4754.3	4754.3	4754.3	4754.3	4754.3
1°	4751.8	4751.8	4741.8	4753.0	4749.3
2°	4725.6	4728.1	4721.9	4735.6	4734.4
3°	4689.5	4695.7	4690.7	4710.7	4704.4
4°	4650.9	4655.8	4653.3	4678.3	4675.8
5°	4596.0	4604.7	4612.2	4643.4	4643.4
6°	4539.9	4548.7	4564.9	4598.5	4609.7
7°	4475.1	4486.4	4512.5	4557.4	4564.9
8°	4392.9	4405.4	4441.5	4490.1	4500.1
9°	4290.7	4309.4	4350.5	4409.1	4415.3
10°	4156.1	4171.1	4228.4	4277.0	4293.2
11°	3981.6	3994.1	4045.2	4123.7	4133.7
12°	3769.8	3784.7	3850.8	3901.9	3911.9
13°	3501.8	3530.5	3610.3	3660.1	3687.5
14°	3226.4	3265.1	3322.4	3393.4	3376.0
15°	2926.1	2977.2	3033.3	3065.7	3064.4
17.5°	2189.6	2219.5	2269.3	2288.0	2313.0
20°	1431.9	1470.5	1515.4	1532.8	1519.1
22.5°	888.5	898.5	912.2	919.7	917.2
25°	523.4	530.9	539.6	544.6	542.1
27.5°	315.3	332.7	345.2	330.2	321.5
30°	203.1	210.6	233.0	213.1	199.4
32.5°	120.9	138.3	157.0	133.3	115.9
35°	69.8	82.2	105.9	81.0	67.3
37.5°	44.9	51.1	68.5	49.8	43.6
40°	27.4	34.9	42.4	32.4	26.2
42.5°	13.7	21.2	24.9	18.7	13.7
45°	6.2	10.0	16.2	10.0	6.2
47.5°	3.7	5.0	10.0	5.0	3.7
50°	3.7	3.7	6.2	3.7	3.7
52.5°	3.7	3.7	3.7	3.7	3.7
55°	3.7	3.7	3.7	3.7	3.7
57.5°	3.7	3.7	3.7	3.7	3.7
60°	3.7	3.7	3.7	3.7	3.7
62.5°	2.5	2.5	2.5	2.5	2.5
65°	2.5	2.5	2.5	2.5	2.5
67.5°	2.5	2.5	2.5	2.5	2.5
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	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: P1320271
CATALOG NUMBER: LDSQA3D17R359840DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)