

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: P1320270

Luminaire Tested: LDSQA3D17R359840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320270
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: LDSQA3D17R359840DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

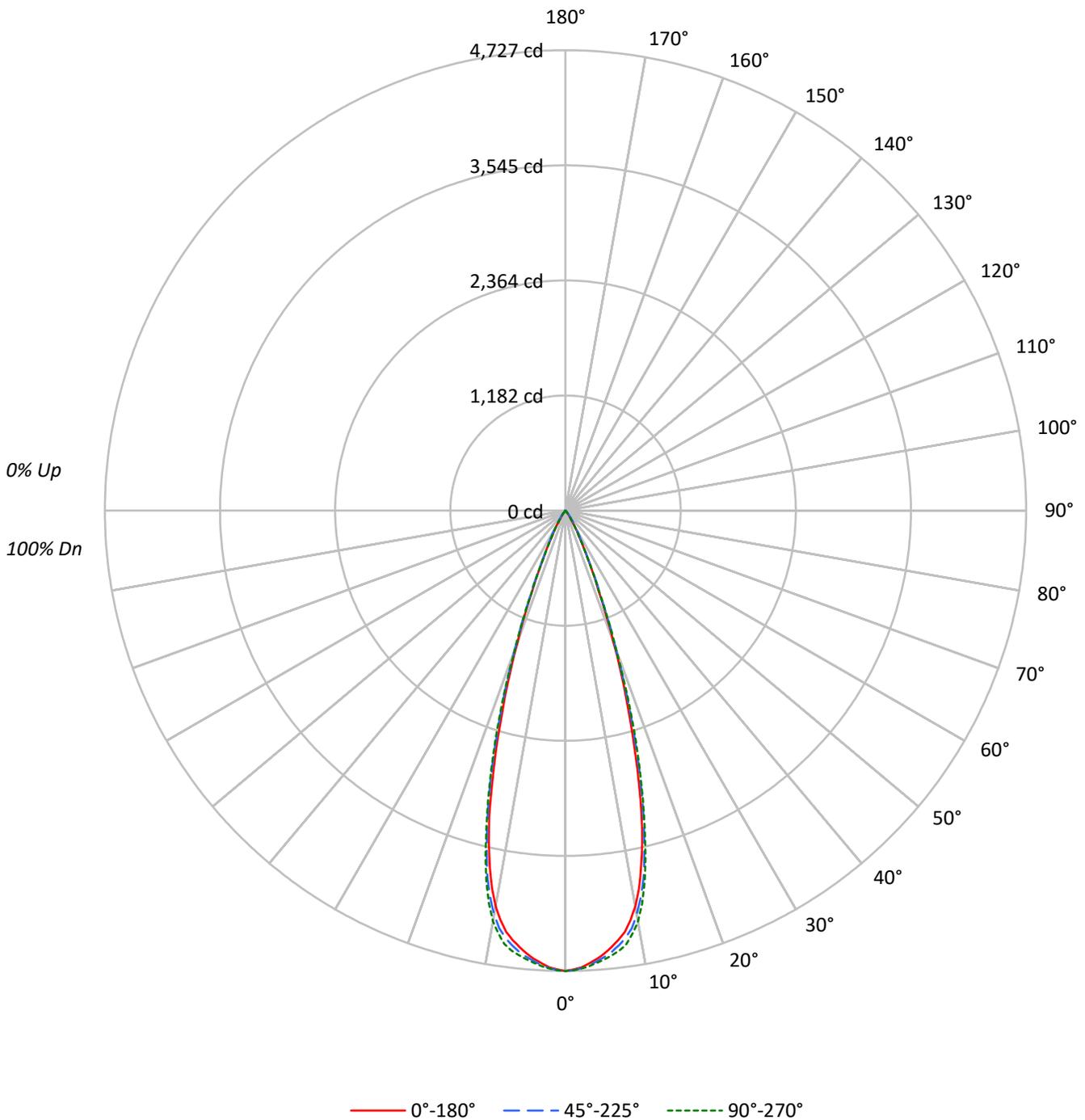
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1574.0 lumens
Efficiency: N/A
Efficacy: 77.2 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 (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	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°	814165	814165	814165
5°	789476	795077	799382
10°	721430	736680	749323
15°	518794	541473	545913
20°	264137	277387	278066
25°	100201	102348	99498
30°	38918	45123	37924
35°	13372	20961	12573
40°	4474	8139	4204
45°	292	2728	292
50°	0	322	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: 2728 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.9	27.2
10°-20°	797.3	50.7
20°-30°	286.6	18.2
30°-40°	55.9	3.6
40°-50°	6.2	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°	1511.8	96.0
0°-40°	1567.7	99.6
0°-60°	1574.0	100.0
0°-90°	1574.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1574.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4727	4727	4727	4727	4727	
5°	4567	4579	4599	4620	4624	423
15°	2910	2958	3037	3058	3062	773
25°	527	532	539	535	524	276
35°	64	72	100	74	60	47
45°	1	4	11	4	1	3
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°	4727.4	4727.4	4727.4	4727.4	4727.4
1°	4713.7	4719.9	4721.2	4729.9	4719.9
2°	4693.7	4697.5	4702.5	4709.9	4705.0
3°	4655.1	4662.6	4673.8	4683.8	4683.8
4°	4614.0	4623.9	4637.6	4655.1	4653.8
5°	4566.6	4579.0	4599.0	4620.2	4623.9
6°	4506.7	4521.7	4554.1	4584.0	4589.0
7°	4443.2	4465.6	4496.8	4540.4	4551.6
8°	4368.4	4385.8	4430.7	4481.8	4494.3
9°	4258.6	4284.8	4342.2	4389.5	4397.0
10°	4125.3	4144.0	4212.5	4262.4	4284.8
11°	3953.2	3980.6	4048.0	4099.1	4114.0
12°	3733.8	3773.7	3852.2	3889.6	3902.1
13°	3496.9	3530.6	3591.7	3637.8	3647.8
14°	3230.1	3262.6	3326.1	3363.5	3354.8
15°	2909.7	2958.4	3036.9	3058.1	3061.8
17.5°	2149.3	2180.4	2250.3	2283.9	2307.6
20°	1441.2	1471.1	1513.5	1535.9	1517.2
22.5°	876.4	901.3	923.8	922.5	916.3
25°	527.3	532.3	538.6	534.8	523.6
27.5°	307.9	321.6	340.3	327.9	309.2
30°	195.7	206.9	226.9	205.7	190.7
32.5°	103.5	130.9	152.1	123.4	108.5
35°	63.6	72.3	99.7	73.6	59.8
37.5°	38.6	44.9	62.3	43.6	34.9
40°	19.9	28.7	36.2	26.2	18.7
42.5°	6.2	13.7	19.9	12.5	6.2
45°	1.2	3.7	11.2	3.7	1.2
47.5°	0.0	0.0	5.0	1.2	0.0
50°	0.0	0.0	1.2	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



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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)