

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: P1320418

Luminaire Tested: LDSQA3D20R359840D010 3LSQPHR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320418
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R359840D010 3LSQPHR1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

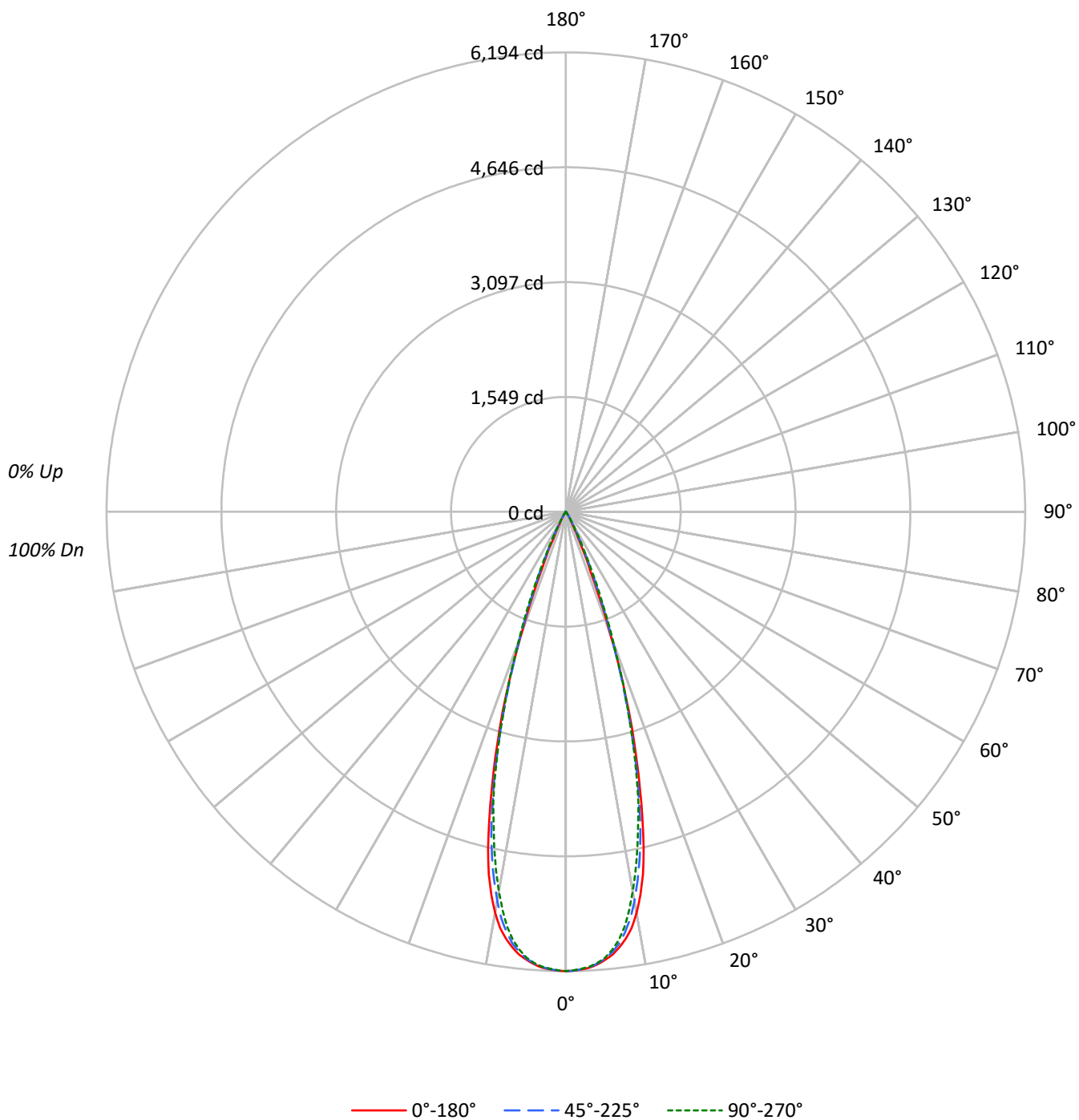
Lumens per Lamp: N/A
Luminaire Lumens: 1880.0 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94	93	92
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	91	90	89
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	88	87	86
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	84	83
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	81	80
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80	79	78
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77	76	75
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75	74	73
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1066730	1066730	1066730
5°	1048417	1046169	1043939
10°	960858	931968	909321
15°	688034	666086	658009
20°	319046	330024	341607
25°	75707	107707	112325
30°	22213	25435	28657
35°	5109	8179	7485
40°	1102	2181	1461
45°	390	390	390
50°	429	0	429
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: 453 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	556.1	29.6
10°-20°	994.1	52.9
20°-30°	299.1	15.9
30°-40°	28.6	1.5
40°-50°	1.9	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°	1849.3	98.4
0°-40°	1877.9	99.9
0°-60°	1880.0	100.0
0°-90°	1880.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1880.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6194	6194	6194	6194	6194	
5°	6064	6063	6051	6043	6038	562
15°	3859	3830	3736	3720	3690	1019
25°	398	439	567	591	591	256
35°	24	32	39	42	36	22
45°	2	2	2	2	2	2
55°	0	0	0	0	0	1
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6193.9	6193.9	6193.9	6193.9	6193.9
1°	6190.7	6190.7	6187.5	6187.5	6181.0
2°	6176.1	6177.8	6171.3	6169.7	6164.8
3°	6153.5	6148.6	6148.6	6145.4	6142.1
4°	6117.8	6108.1	6104.9	6106.5	6100.0
5°	6064.4	6062.8	6051.4	6043.4	6038.5
6°	6006.1	5994.8	5970.5	5949.4	5944.6
7°	5918.7	5894.4	5873.3	5829.6	5823.1
8°	5811.8	5772.9	5727.6	5666.0	5662.8
9°	5680.6	5617.5	5554.3	5471.7	5442.6
10°	5494.4	5436.1	5329.2	5256.4	5199.7
11°	5262.8	5190.0	5065.3	4977.8	4930.9
12°	5000.5	4932.5	4786.7	4707.4	4641.0
13°	4663.7	4607.0	4471.0	4383.5	4331.7
14°	4273.4	4231.3	4101.8	4062.9	4045.1
15°	3858.9	3829.7	3735.8	3719.6	3690.5
17.5°	2840.3	2791.7	2738.3	2748.0	2757.7
20°	1740.8	1808.8	1800.7	1836.3	1863.9
22.5°	868.0	955.4	1057.4	1119.0	1149.7
25°	398.4	438.8	566.8	591.1	591.1
27.5°	200.8	210.5	267.2	272.0	285.0
30°	111.7	119.8	127.9	142.5	144.1
32.5°	56.7	66.4	69.6	77.7	74.5
35°	24.3	32.4	38.9	42.1	35.6
37.5°	11.3	14.6	21.1	19.4	14.6
40°	4.9	6.5	9.7	8.1	6.5
42.5°	3.2	3.2	4.9	3.2	3.2
45°	1.6	1.6	1.6	1.6	1.6
47.5°	1.6	1.6	0.0	1.6	1.6
50°	1.6	0.0	0.0	0.0	1.6
52.5°	1.6	0.0	0.0	0.0	1.6
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)