

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: P1309651

Luminaire Tested: LDSQA3D24R159030D010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309651
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R159030D010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

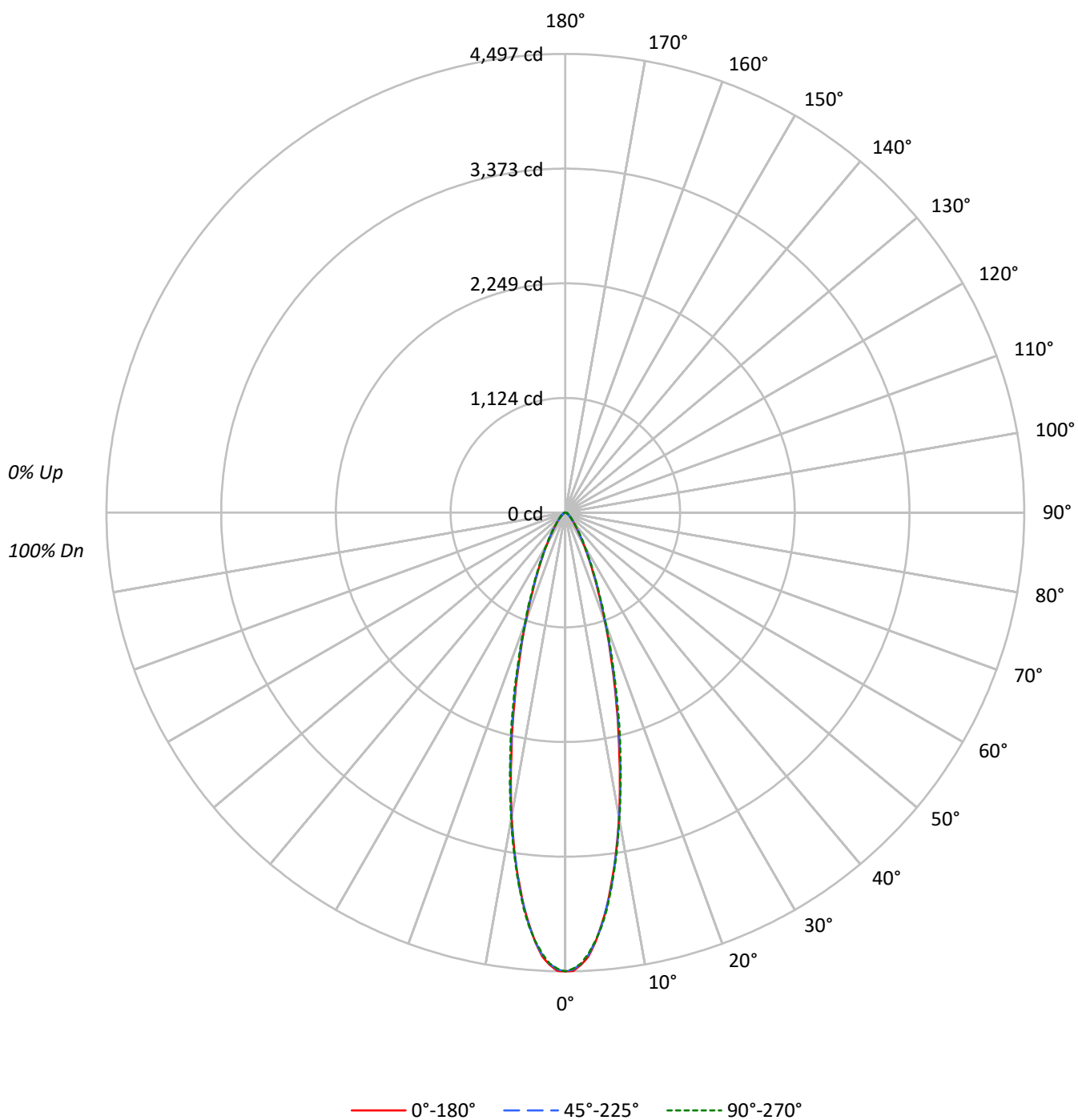
Lumens per Lamp: N/A
Luminaire Lumens: 1487.0 lumens
Efficiency: N/A
Efficacy: 51.6 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	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	100	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	89	89	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84	84	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	80	80	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	76	76	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72	72	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	69	69	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	66	66	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	64	64	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	61	61	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	774416	774416	774416
5°	701445	702777	703762
10°	529587	530917	533592
15°	343509	347253	354064
20°	206808	209264	212068
25°	120819	123365	125171
30°	71015	73282	74415
35°	43752	45371	46170
40°	28755	29609	30059
45°	19996	20459	20922
50°	14843	15352	15862
55°	12040	12611	12611
60°	10540	10540	10540
65°	9332	9332	9332
70°	7704	8661	8661
75°	7652	7652	7652
80°	5653	7538	7538
85°	3754	3754	3754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 20922 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.2	23.8
10°-20°	541.6	36.4
20°-30°	307.8	20.7
30°-40°	140.4	9.4
40°-50°	67.4	4.5
50°-60°	37.7	2.5
60°-70°	23.0	1.5
70°-80°	12.3	0.8
80°-90°	2.6	0.2
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°	1203.6	80.9
0°-40°	1344.0	90.4
0°-60°	1449.0	97.4
0°-90°	1487.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1487.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4497	4497	4497	4497	4497	
5°	4057	4056	4065	4065	4071	354
15°	1927	1936	1948	1974	1986	535
25°	636	636	649	655	659	302
35°	208	212	216	220	220	137
45°	82	82	84	86	86	65
55°	40	40	42	42	42	37
65°	23	23	23	23	23	23
75°	12	12	12	12	12	12
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4496.6	4496.6	4496.6	4496.6	4496.6
1°	4492.8	4481.3	4477.5	4475.6	4471.8
2°	4435.5	4425.9	4424.0	4424.0	4422.1
3°	4355.3	4338.1	4340.0	4334.3	4328.6
4°	4219.7	4212.1	4215.9	4219.7	4212.1
5°	4057.4	4055.5	4065.1	4065.1	4070.8
6°	3889.4	3887.5	3881.8	3897.0	3904.7
7°	3675.6	3687.0	3702.3	3694.7	3700.4
8°	3480.8	3467.4	3473.2	3492.3	3494.2
9°	3251.7	3242.1	3266.9	3274.6	3276.5
10°	3028.3	3037.8	3035.9	3062.6	3051.2
12.5°	2445.9	2461.2	2478.4	2489.8	2501.3
15°	1926.6	1936.1	1947.6	1974.3	1985.8
17.5°	1481.7	1493.1	1504.6	1527.5	1531.3
20°	1128.4	1134.2	1141.8	1162.8	1157.1
22.5°	843.9	853.5	861.1	870.7	876.4
25°	635.8	635.8	649.2	654.9	658.7
27.5°	473.5	477.3	486.9	494.5	492.6
30°	357.1	362.8	368.5	372.3	374.2
32.5°	275.0	275.0	280.7	286.4	288.3
35°	208.1	211.9	215.8	219.6	219.6
37.5°	162.3	164.2	168.0	169.9	169.9
40°	127.9	127.9	131.7	133.7	133.7
42.5°	101.2	103.1	105.0	106.9	106.9
45°	82.1	82.1	84.0	85.9	85.9
47.5°	66.8	66.8	68.7	70.6	70.6
50°	55.4	57.3	57.3	59.2	59.2
52.5°	47.7	47.7	47.7	49.6	49.6
55°	40.1	40.1	42.0	42.0	42.0
57.5°	34.4	34.4	34.4	36.3	36.3
60°	30.6	30.6	30.6	30.6	30.6
62.5°	26.7	26.7	26.7	26.7	26.7
65°	22.9	22.9	22.9	22.9	22.9
67.5°	19.1	19.1	19.1	21.0	21.0
70°	15.3	17.2	17.2	17.2	17.2
72.5°	13.4	13.4	13.4	13.4	13.4
75°	11.5	11.5	11.5	11.5	11.5
77.5°	9.5	9.5	9.5	9.5	9.5
80°	5.7	7.6	7.6	7.6	7.6
82.5°	3.8	3.8	3.8	3.8	3.8
85°	1.9	1.9	1.9	1.9	1.9
87.5°	0.0	0.0	0.0	0.0	1.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)