

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: P1320355

Luminaire Tested: LDSQA3D20R159840D010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320355
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R159840D010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

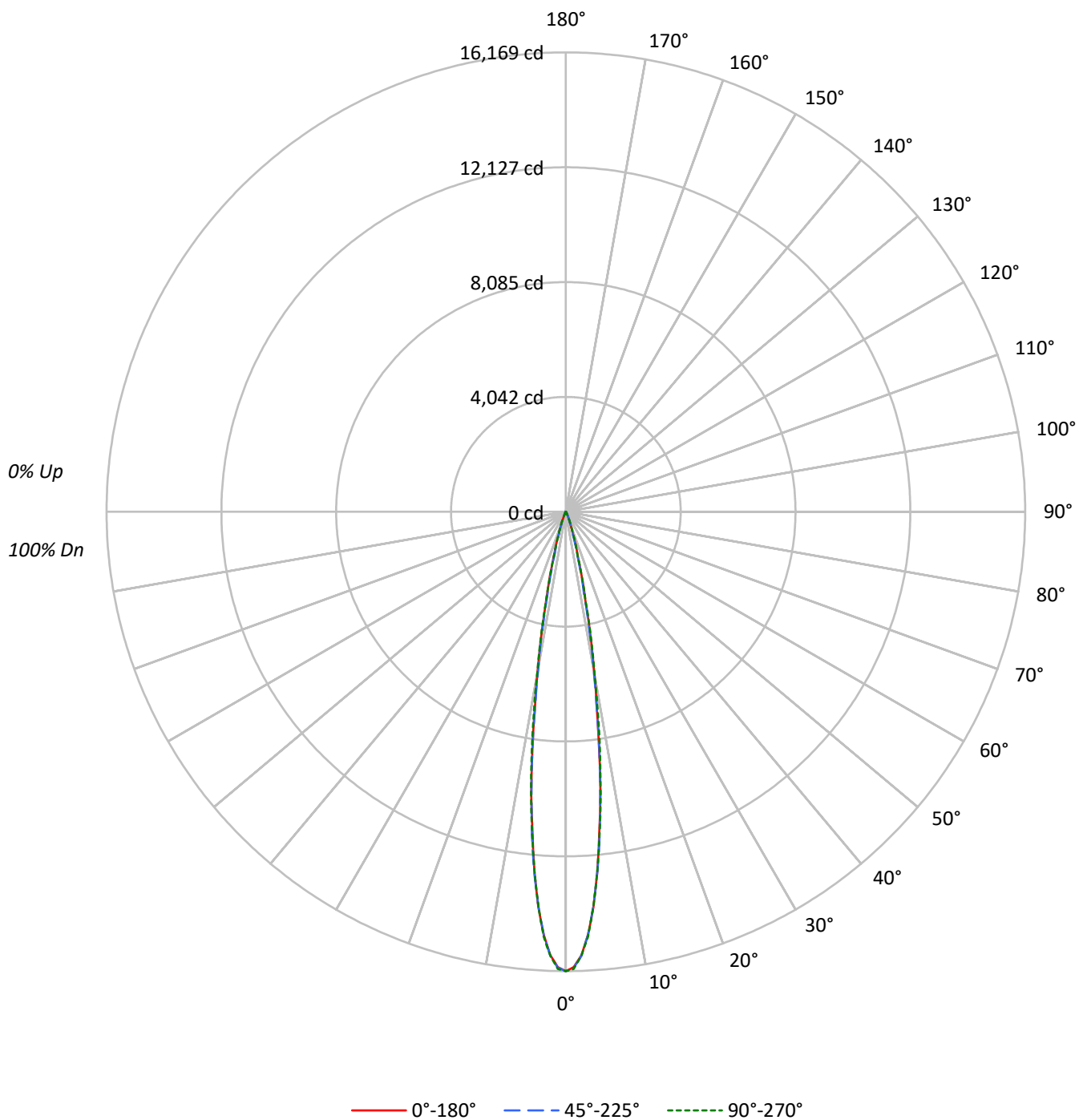
Lumens per Lamp: N/A
Luminaire Lumens: 1619.0 lumens
Efficiency: N/A
Efficacy: 59.1 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2784651	2784651	2784651
5°	2196533	2202411	2194580
10°	1004927	978590	1026158
15°	298792	266752	292730
20°	88724	86066	93177
25°	25236	32609	29226
30°	9009	9665	8690
35°	3406	3070	3070
40°	1461	719	1102
45°	779	390	779
50°	429	0	429
55°	480	0	480
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: 47.5°

Luminance: 816 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	976.9	60.3
10°-20°	542.4	33.5
20°-30°	86.3	5.3
30°-40°	11.3	0.7
40°-50°	1.7	0.1
50°-60°	0.4	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°	1605.6	99.2
0°-40°	1616.9	99.9
0°-60°	1619.0	100.0
0°-90°	1619.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1619.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16169	16169	16169	16169	16169	
5°	12706	12812	12740	12686	12694	975
15°	1676	1654	1496	1590	1642	553
25°	133	149	172	171	154	81
35°	16	16	15	16	15	12
45°	3	2	2	2	3	3
55°	2	0	0	0	2	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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	16168.9	16168.9	16168.9	16168.9	16168.9	16168.9	16168.9	16168.9	16168.9	16168.9	16168.9
1°	16029.6	16047.5	16070.1	16049.1	16029.6	16047.5	16023.2	16026.4	16007.0	16049.1	16096.0
2°	15621.6	15644.3	15631.3	15602.2	15647.5	15650.8	15600.6	15576.3	15573.0	15615.1	15631.3
3°	14899.5	14951.3	14952.9	14943.2	14928.6	14899.5	14847.7	14881.7	14834.7	14805.6	14970.7
4°	13939.3	13984.6	14038.1	14002.5	13895.6	13905.3	13939.3	13824.4	13830.8	13897.2	13902.1
5°	12705.5	12843.1	12849.6	12799.4	12715.2	12739.5	12715.2	12682.8	12694.2	12736.3	12694.2
6°	11253.1	11408.6	11293.6	11403.7	11379.4	11410.2	11418.3	11384.3	11408.6	11382.7	11374.6
7°	9998.3	9880.1	9896.3	9850.9	9899.5	9931.9	9951.3	9893.0	9940.0	10014.5	10035.5
8°	8442.3	8408.3	8374.3	8455.2	8432.6	8471.4	8495.7	8560.5	8557.2	8579.9	8654.4
9°	6960.8	7010.9	7041.7	6970.5	7032.0	6912.2	6954.3	7127.5	7082.2	7127.5	7260.3
10°	5746.4	5786.9	5741.5	5739.9	5675.1	5595.8	5590.9	5655.7	5791.7	5898.6	5867.8
12.5°	3170.3	3205.9	3210.8	3207.5	3091.0	2959.8	2984.1	3035.9	3120.1	3155.7	3214.0
15°	1675.8	1674.2	1692.0	1641.8	1580.3	1496.1	1502.6	1573.8	1637.0	1653.2	1641.8
17.5°	859.8	863.0	876.0	863.0	798.2	806.3	824.2	832.2	869.5	884.1	876.0
20°	484.1	485.7	484.1	489.0	463.1	469.6	492.2	493.8	501.9	510.0	508.4
22.5°	276.9	278.5	288.2	285.0	278.5	286.6	291.4	299.5	302.8	299.5	309.3
25°	132.8	134.4	134.4	153.8	163.5	171.6	174.9	171.6	168.4	155.4	153.8
27.5°	76.1	76.1	79.3	81.0	84.2	98.8	97.1	81.0	68.0	68.0	69.6
30°	45.3	43.7	43.7	45.3	47.0	48.6	45.3	43.7	43.7	45.3	43.7
32.5°	27.5	27.5	27.5	25.9	25.9	24.3	24.3	27.5	27.5	27.5	27.5
35°	16.2	16.2	16.2	16.2	14.6	14.6	14.6	16.2	16.2	14.6	14.6
37.5°	9.7	9.7	9.7	8.1	8.1	6.5	8.1	8.1	8.1	8.1	8.1
40°	6.5	6.5	4.9	4.9	3.2	3.2	3.2	4.9	4.9	4.9	4.9
42.5°	4.9	4.9	3.2	3.2	1.6	1.6	1.6	3.2	3.2	3.2	3.2
45°	3.2	3.2	3.2	1.6	1.6	1.6	1.6	1.6	1.6	3.2	3.2
47.5°	3.2	3.2	1.6	1.6	0.0	0.0	0.0	1.6	1.6	1.6	1.6
50°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
52.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
55°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)