

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: P1320389

Luminaire Tested: LDSQA3D20R259840D010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320389
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R259840D010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

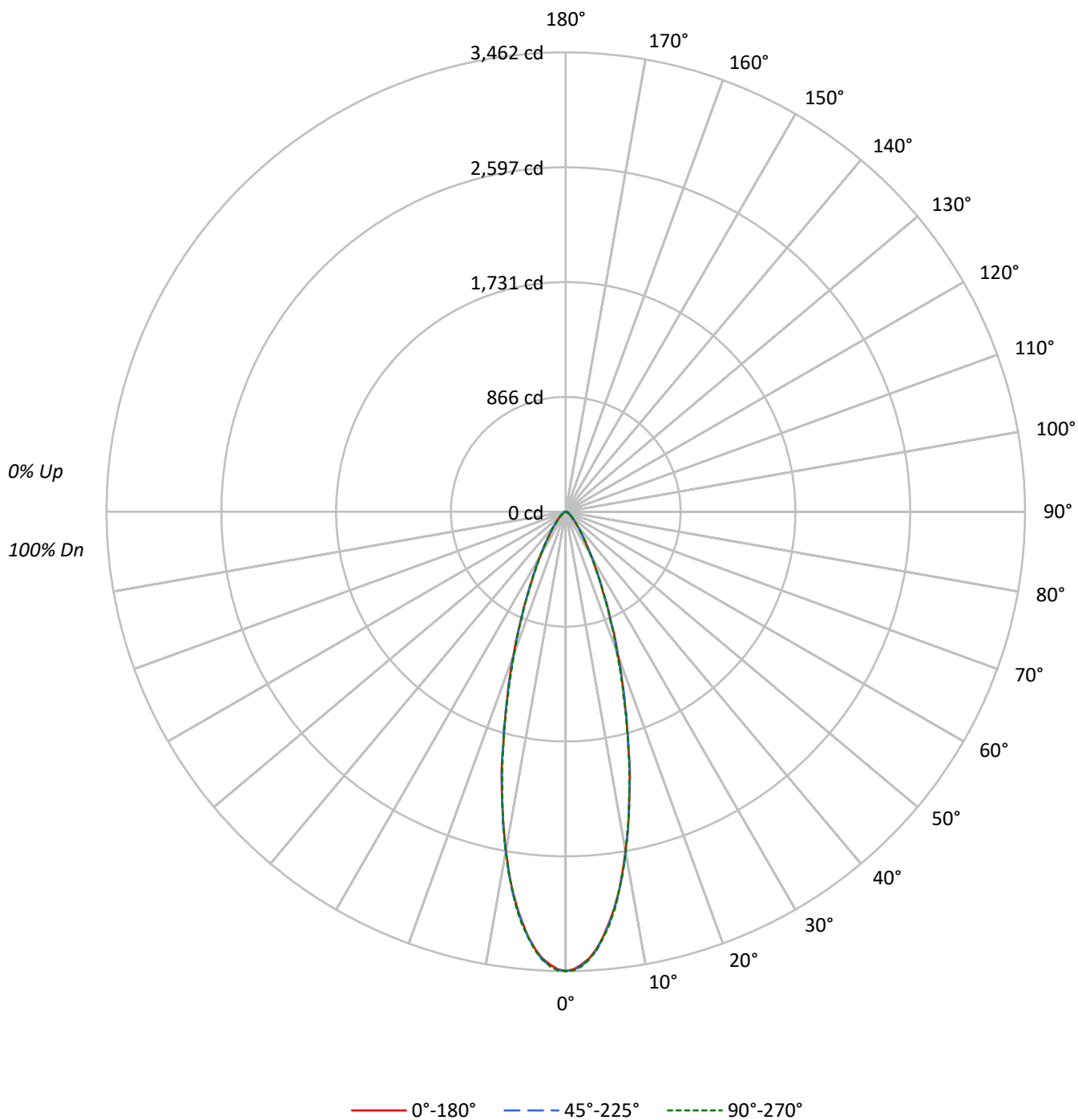
Lumens per Lamp: N/A
Luminaire Lumens: 1387.0 lumens
Efficiency: N/A
Efficacy: 50.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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				10			0
RW	70	50	30	10	70	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
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75	71	69	67
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72	68	66	64
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	596166	596166	596166
5°	556450	557021	557298
10°	453882	455299	455299
15°	324181	325911	324181
20°	212160	210089	207120
25°	126140	126767	126140
30°	75987	75987	75668
35°	46296	46632	46296
40°	29474	29856	29856
45°	20508	20508	20508
50°	14736	15192	15192
55°	11680	11680	12161
60°	9472	10023	10023
65°	8558	8558	8558
70°	7352	7352	8157
75°	6455	6455	7519
80°	6447	6447	6447
85°	3162	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20508 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.7	20.7
10°-20°	501.4	36.2
20°-30°	315.2	22.7
30°-40°	144.2	10.4
40°-50°	67.3	4.9
50°-60°	36.2	2.6
60°-70°	21.3	1.5
70°-80°	11.1	0.8
80°-90°	2.5	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°	1104.3	79.6
0°-40°	1248.5	90.0
0°-60°	1352.1	97.5
0°-90°	1387.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1387.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3462	3462	3462	3462	3462	
5°	3219	3225	3222	3225	3224	287
15°	1818	1830	1828	1831	1818	501
25°	664	672	667	667	664	316
35°	220	220	222	222	220	144
45°	84	84	84	84	84	67
55°	39	39	39	40	40	36
65°	21	21	21	21	21	21
75°	10	10	10	11	11	11
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°	3461.6	3461.6	3461.6	3461.6	3461.6
1°	3447.0	3450.2	3453.5	3458.3	3456.7
2°	3414.6	3421.1	3422.7	3429.2	3427.6
3°	3370.9	3369.3	3382.2	3382.2	3374.1
4°	3302.9	3306.1	3309.4	3312.6	3314.2
5°	3218.7	3225.2	3222.0	3225.2	3223.6
6°	3115.1	3124.8	3123.2	3126.4	3131.3
7°	3005.0	3011.5	3011.5	3008.2	3021.2
8°	2885.2	2880.3	2888.4	2885.2	2883.6
9°	2742.7	2752.4	2754.0	2745.9	2749.2
10°	2595.4	2601.8	2603.5	2608.3	2603.5
11°	2449.7	2449.7	2452.9	2461.0	2448.0
12°	2291.0	2305.6	2291.0	2297.5	2291.0
13°	2140.4	2143.6	2140.4	2138.8	2127.5
14°	1997.9	1986.6	1989.8	1976.9	1978.5
15°	1818.2	1829.6	1827.9	1831.2	1818.2
17.5°	1462.0	1468.5	1466.9	1463.6	1447.4
20°	1157.6	1157.6	1146.3	1139.8	1130.1
22.5°	884.0	880.8	875.9	871.1	874.3
25°	663.8	671.9	667.1	667.1	663.8
27.5°	501.9	511.6	503.5	498.7	501.9
30°	382.1	385.3	382.1	380.5	380.5
32.5°	288.2	289.8	288.2	288.2	288.2
35°	220.2	220.2	221.8	221.8	220.2
37.5°	170.0	170.0	170.0	170.0	171.6
40°	131.1	132.8	132.8	132.8	132.8
42.5°	103.6	105.2	105.2	105.2	105.2
45°	84.2	84.2	84.2	84.2	84.2
47.5°	68.0	68.0	68.0	68.0	69.6
50°	55.0	56.7	56.7	56.7	56.7
52.5°	47.0	47.0	47.0	47.0	47.0
55°	38.9	38.9	38.9	40.5	40.5
57.5°	32.4	32.4	34.0	34.0	34.0
60°	27.5	29.1	29.1	29.1	29.1
62.5°	24.3	24.3	25.9	25.9	25.9
65°	21.0	21.0	21.0	21.0	21.0
67.5°	17.8	17.8	17.8	17.8	19.4
70°	14.6	14.6	14.6	16.2	16.2
72.5°	13.0	13.0	13.0	13.0	13.0
75°	9.7	9.7	9.7	11.3	11.3
77.5°	8.1	8.1	8.1	8.1	8.1
80°	6.5	6.5	6.5	6.5	6.5
82.5°	3.2	3.2	4.9	4.9	4.9
85°	1.6	1.6	1.6	1.6	1.6
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)