

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: P1318359

Luminaire Tested: LDSQA3D13R309830DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R309830DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

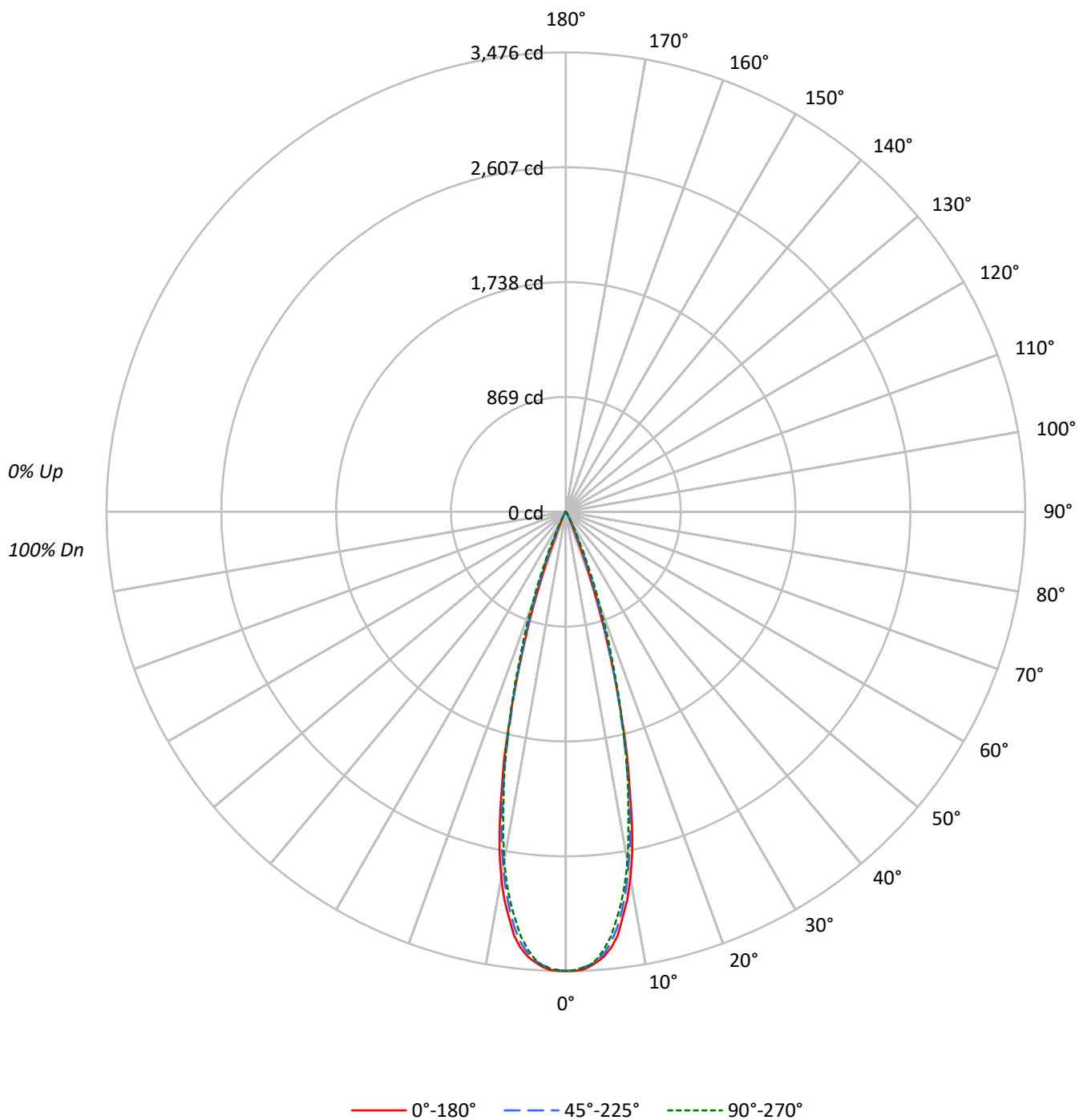
Lumens per Lamp: N/A
Luminaire Lumens: 842.0 lumens
Efficiency: N/A
Efficacy: 58.1 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	87	87	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84	84	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	82	82	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80	80	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	598474	598474	598474
5°	583057	579046	574274
10°	492058	476949	469202
15°	296527	288237	293550
20°	100582	116142	133974
25°	18490	28960	34205
30°	6344	7080	7935
35°	1829	2292	2439
40°	495	809	652
45°	170	170	170
50°	188	0	188
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: 198 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.5	35.7
10°-20°	439.2	52.2
20°-30°	92.9	11.0
30°-40°	8.6	1.0
40°-50°	0.8	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°	832.6	98.9
0°-40°	841.1	99.9
0°-60°	842.0	100.0
0°-90°	842.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	842.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3475	3475	3475	3475	3475	
5°	3373	3366	3349	3339	3322	305
15°	1663	1657	1617	1654	1646	439
25°	97	109	152	179	180	71
35°	9	11	11	13	12	7
45°	1	1	1	1	1	1
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3475.0	3475.0	3475.0	3475.0	3475.0
1°	3475.7	3472.1	3467.0	3474.2	3469.2
2°	3468.4	3459.7	3452.5	3459.7	3457.5
3°	3446.7	3439.4	3434.3	3437.9	3437.9
4°	3414.0	3406.0	3401.7	3402.4	3391.5
5°	3372.6	3366.1	3349.4	3339.2	3321.8
6°	3311.6	3295.7	3275.3	3258.6	3236.1
7°	3228.9	3204.2	3175.2	3146.1	3117.8
8°	3096.0	3084.4	3045.2	3025.6	2997.3
9°	2971.2	2942.9	2900.8	2868.8	2853.6
10°	2813.7	2771.6	2727.3	2701.9	2683.0
11°	2627.1	2584.3	2548.7	2511.7	2482.6
12°	2407.9	2371.6	2330.9	2306.2	2272.1
13°	2148.0	2142.9	2097.2	2089.2	2084.8
14°	1925.1	1904.8	1859.8	1872.1	1875.0
15°	1663.1	1657.3	1616.6	1654.4	1646.4
17.5°	1041.7	1043.9	1069.3	1128.8	1147.7
20°	548.8	565.5	633.7	705.6	731.0
22.5°	222.1	259.2	328.8	377.5	410.1
25°	97.3	108.9	152.4	179.3	180.0
27.5°	55.2	55.9	73.3	76.2	77.7
30°	31.9	32.7	35.6	37.7	39.9
32.5°	17.4	18.9	19.6	22.5	22.5
35°	8.7	10.9	10.9	13.1	11.6
37.5°	5.1	5.8	6.5	6.5	5.8
40°	2.2	2.9	3.6	3.6	2.9
42.5°	0.7	1.5	1.5	1.5	2.2
45°	0.7	0.7	0.7	0.7	0.7
47.5°	0.7	0.7	0.0	0.7	0.7
50°	0.7	0.0	0.0	0.0	0.7
52.5°	0.7	0.0	0.0	0.0	0.7
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)