

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: P1318362

Luminaire Tested: LDSQA3D13R309830DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318362
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R309830DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

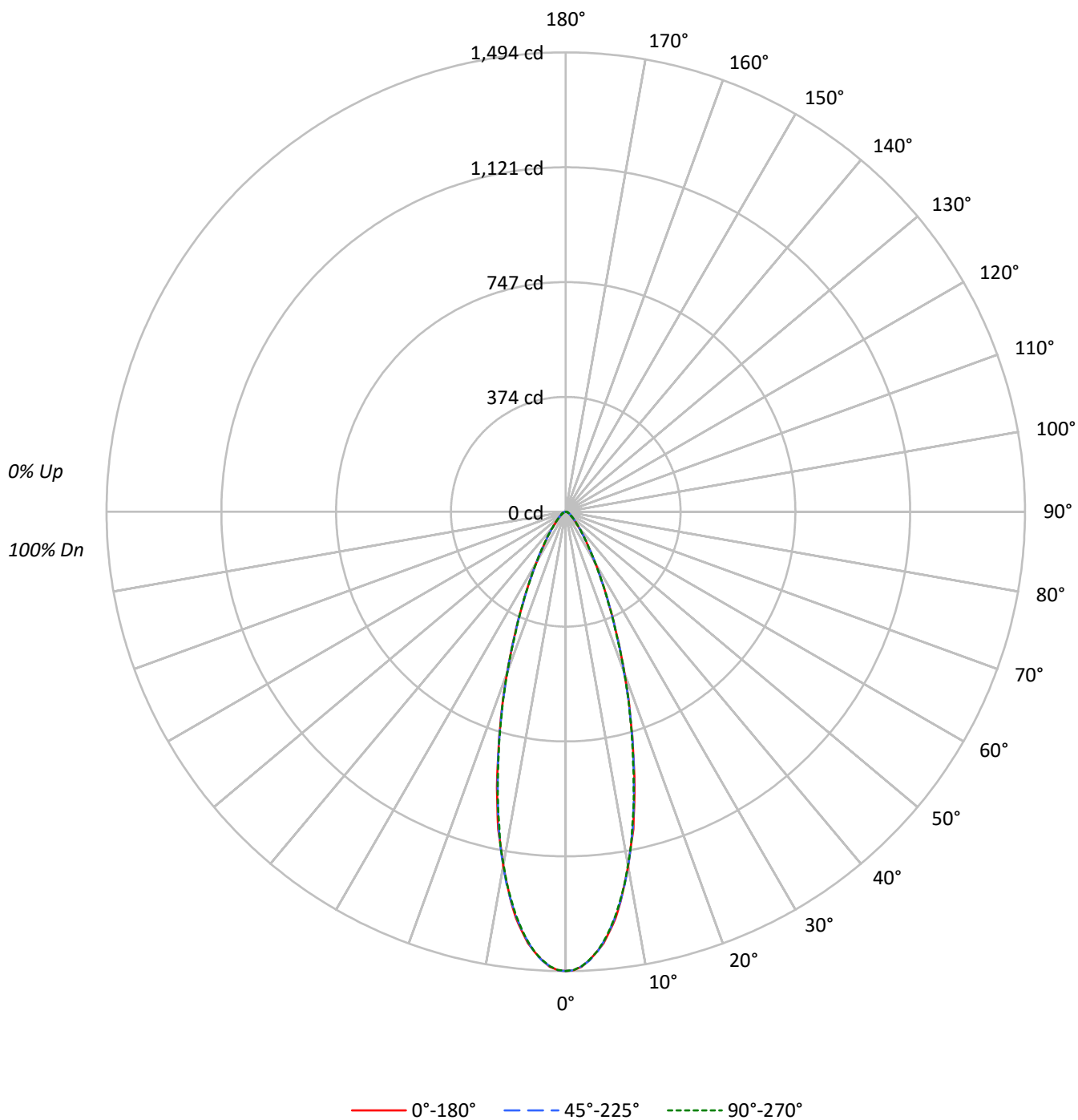
Lumens per Lamp: N/A
Luminaire Lumens: 656.0 lumens
Efficiency: N/A
Efficacy: 45.2 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	102	102	100
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	90	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	84	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	79	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	75	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	71	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	68	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	62	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	257249	257249	257249
5°	243554	242932	242793
10°	204609	204609	203839
15°	152445	152053	151143
20°	102029	101498	101626
25°	62899	62747	63032
30°	37824	37824	37963
35°	23190	23190	23337
40°	14681	14681	15018
45°	10083	10254	10254
50°	7395	7395	7395
55°	5675	5885	5885
60°	4753	4753	4994
65°	4157	4157	4157
70°	3676	4028	4028
75°	3394	3394	3394
80°	2876	2876	2876
85°	1383	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 10254 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.6	19.3
10°-20°	233.8	35.6
20°-30°	155.4	23.7
30°-40°	71.8	11.0
40°-50°	33.4	5.1
50°-60°	17.8	2.7
60°-70°	10.4	1.6
70°-80°	5.5	0.8
80°-90°	1.2	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°	515.9	78.6
0°-40°	587.7	89.6
0°-60°	638.9	97.4
0°-90°	656.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	656.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1494	1494	1494	1494	1494	
5°	1409	1406	1405	1409	1404	127
15°	855	858	853	853	848	235
25°	331	330	330	330	332	156
35°	110	110	110	111	111	71
45°	41	41	42	42	42	33
55°	19	20	20	20	20	18
65°	10	10	10	10	10	10
75°	5	5	5	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1493.7	1493.7	1493.7	1493.7	1493.7
1°	1490.8	1489.4	1490.8	1493.0	1490.1
2°	1480.6	1479.2	1479.2	1482.1	1479.2
3°	1461.1	1462.5	1461.8	1464.7	1459.6
4°	1436.4	1435.6	1438.6	1440.0	1435.6
5°	1408.8	1405.9	1405.2	1408.8	1404.4
6°	1371.1	1368.9	1367.4	1371.8	1366.0
7°	1330.4	1329.0	1326.8	1328.2	1323.9
8°	1280.3	1279.6	1278.1	1279.6	1274.5
9°	1224.4	1224.4	1227.3	1226.6	1223.7
10°	1170.0	1171.5	1170.0	1171.5	1165.6
11°	1109.0	1109.0	1110.5	1109.8	1110.5
12°	1056.1	1050.2	1048.8	1047.3	1043.0
13°	987.8	983.5	982.0	983.5	981.3
14°	925.4	922.5	915.2	916.7	913.8
15°	855.0	857.9	852.8	852.8	847.7
17.5°	699.0	696.1	697.5	698.2	696.1
20°	556.7	555.2	553.8	552.3	554.5
22.5°	432.6	433.3	431.9	430.4	429.0
25°	331.0	330.2	330.2	330.2	331.7
27.5°	251.1	251.1	251.1	251.9	251.9
30°	190.2	188.7	190.2	190.9	190.9
32.5°	142.3	143.7	144.4	144.4	144.4
35°	110.3	109.6	110.3	111.0	111.0
37.5°	84.2	84.2	84.9	84.9	85.6
40°	65.3	65.3	65.3	66.0	66.8
42.5°	51.5	51.5	52.3	52.3	53.0
45°	41.4	41.4	42.1	42.1	42.1
47.5°	33.4	33.4	34.1	34.1	34.1
50°	27.6	27.6	27.6	27.6	27.6
52.5°	23.2	22.5	23.2	23.2	23.2
55°	18.9	19.6	19.6	19.6	19.6
57.5°	16.0	16.7	16.7	16.7	16.7
60°	13.8	13.8	13.8	14.5	14.5
62.5°	11.6	12.3	12.3	12.3	12.3
65°	10.2	10.2	10.2	10.2	10.2
67.5°	8.7	8.7	8.7	8.7	9.4
70°	7.3	7.3	8.0	8.0	8.0
72.5°	6.5	6.5	6.5	6.5	6.5
75°	5.1	5.1	5.1	5.1	5.1
77.5°	3.6	3.6	4.4	4.4	3.6
80°	2.9	2.9	2.9	2.9	2.9
82.5°	2.2	2.2	2.2	2.2	2.2
85°	0.7	0.7	0.7	0.7	0.7
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)