

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: P1320061

Luminaire Tested: LDSQA3D13R159840DE010 3LSQPHR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320061
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: LDSQA3D13R159840DE010 3LSQPHR1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

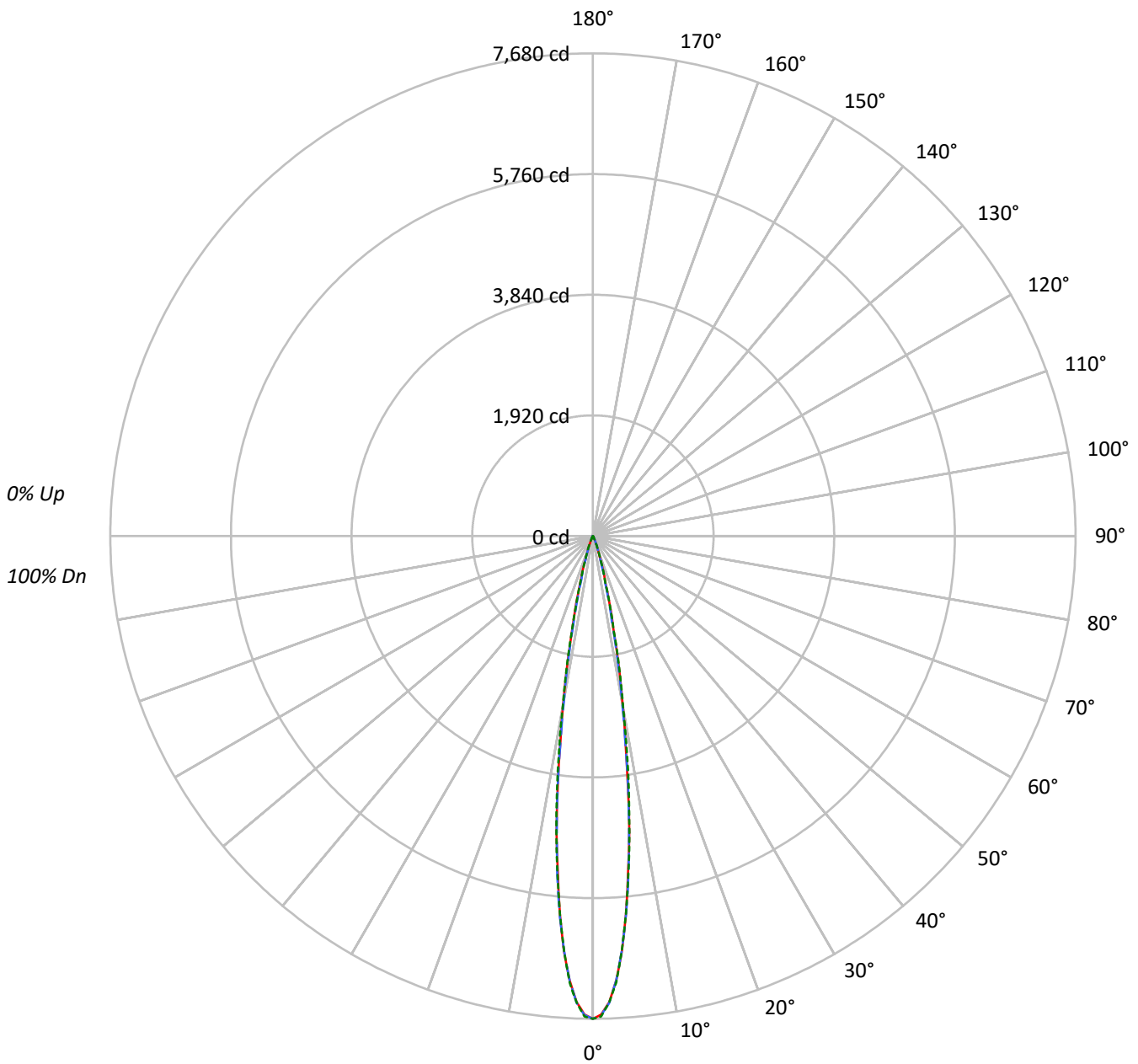
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 769.0 lumens
Efficiency: N/A
Efficacy: 53.0 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): 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



— 0°-180° - - 45°-225° ···· 90°-270°



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1322670	1322670	1322670
5°	1043317	1046117	1042383
10°	477316	464812	487407
15°	141925	126699	139037
20°	42153	40870	44261
25°	11991	15487	13891
30°	4276	4594	4136
35°	1619	1451	1451
40°	697	337	517
45°	365	195	365
50°	214	0	214
55°	240	0	240
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: 382 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	464.0	60.3
10°-20°	257.6	33.5
20°-30°	41.0	5.3
30°-40°	5.4	0.7
40°-50°	0.8	0.1
50°-60°	0.2	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°	762.6	99.2
0°-40°	768.0	99.9
0°-60°	769.0	100.0
0°-90°	769.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	769.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7680	7680	7680	7680	7680	
5°	6035	6085	6051	6026	6030	463
15°	796	786	711	755	780	263
25°	63	71	82	81	73	39
35°	8	8	7	8	7	6
45°	2	1	1	1	2	1
55°	1	0	0	0	1	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7680.0	7680.0	7680.0	7680.0	7680.0	7680.0	7680.0	7680.0	7680.0	7680.0	7680.0
1°	7613.8	7622.3	7633.1	7623.1	7613.8	7622.3	7610.8	7612.3	7603.1	7623.1	7645.4
2°	7420.0	7430.8	7424.6	7410.8	7432.3	7433.9	7410.0	7398.5	7397.0	7416.9	7424.6
3°	7077.0	7101.6	7102.4	7097.8	7090.9	7077.0	7052.4	7068.6	7046.3	7032.4	7110.9
4°	6621.0	6642.5	6667.9	6651.0	6600.2	6604.8	6621.0	6566.4	6569.4	6601.0	6603.3
5°	6034.9	6100.3	6103.4	6079.5	6039.5	6051.1	6039.5	6024.2	6029.5	6049.5	6029.5
6°	5345.1	5418.9	5364.3	5416.6	5405.1	5419.7	5423.5	5407.4	5418.9	5406.6	5402.7
7°	4749.0	4692.9	4700.6	4679.0	4702.1	4717.5	4726.7	4699.0	4721.3	4756.7	4766.7
8°	4010.0	3993.8	3977.7	4016.1	4005.3	4023.8	4035.3	4066.1	4064.6	4075.3	4110.7
9°	3306.2	3330.1	3344.7	3310.9	3340.1	3283.2	3303.2	3385.5	3363.9	3385.5	3448.5
10°	2729.4	2748.7	2727.1	2726.4	2695.6	2657.9	2655.6	2686.4	2751.0	2801.7	2787.1
12.5°	1505.8	1522.8	1525.1	1523.5	1468.2	1405.9	1417.4	1442.0	1482.0	1498.9	1526.6
15°	796.0	795.2	803.7	779.8	750.6	710.6	713.7	747.5	777.5	785.2	779.8
17.5°	408.4	409.9	416.1	409.9	379.2	383.0	391.5	395.3	413.0	419.9	416.1
20°	230.0	230.7	230.0	232.3	220.0	223.0	233.8	234.6	238.4	242.3	241.5
22.5°	131.5	132.3	136.9	135.4	132.3	136.1	138.4	142.3	143.8	142.3	146.9
25°	63.1	63.8	63.8	73.1	77.7	81.5	83.1	81.5	80.0	73.8	73.1
27.5°	36.1	36.1	37.7	38.5	40.0	46.9	46.1	38.5	32.3	32.3	33.1
30°	21.5	20.8	20.8	21.5	22.3	23.1	21.5	20.8	20.8	21.5	20.8
32.5°	13.1	13.1	13.1	12.3	12.3	11.5	11.5	13.1	13.1	13.1	13.1
35°	7.7	7.7	7.7	7.7	6.9	6.9	6.9	7.7	7.7	6.9	6.9
37.5°	4.6	4.6	4.6	3.8	3.8	3.1	3.8	3.8	3.8	3.8	3.8
40°	3.1	3.1	2.3	2.3	1.5	1.5	1.5	2.3	2.3	2.3	2.3
42.5°	2.3	2.3	1.5	1.5	0.8	0.8	0.8	1.5	1.5	1.5	1.5
45°	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
47.5°	1.5	1.5	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8	0.8
50°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
52.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
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	0.8	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)