

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: P1327401

Luminaire Tested: LDSQA3D13R15W2N902750DE010 3LSQPHR1MB_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327401
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: LDSQA3D13R15W2N902750DE010 3LSQPHR1MB_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 90CRI ,
3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

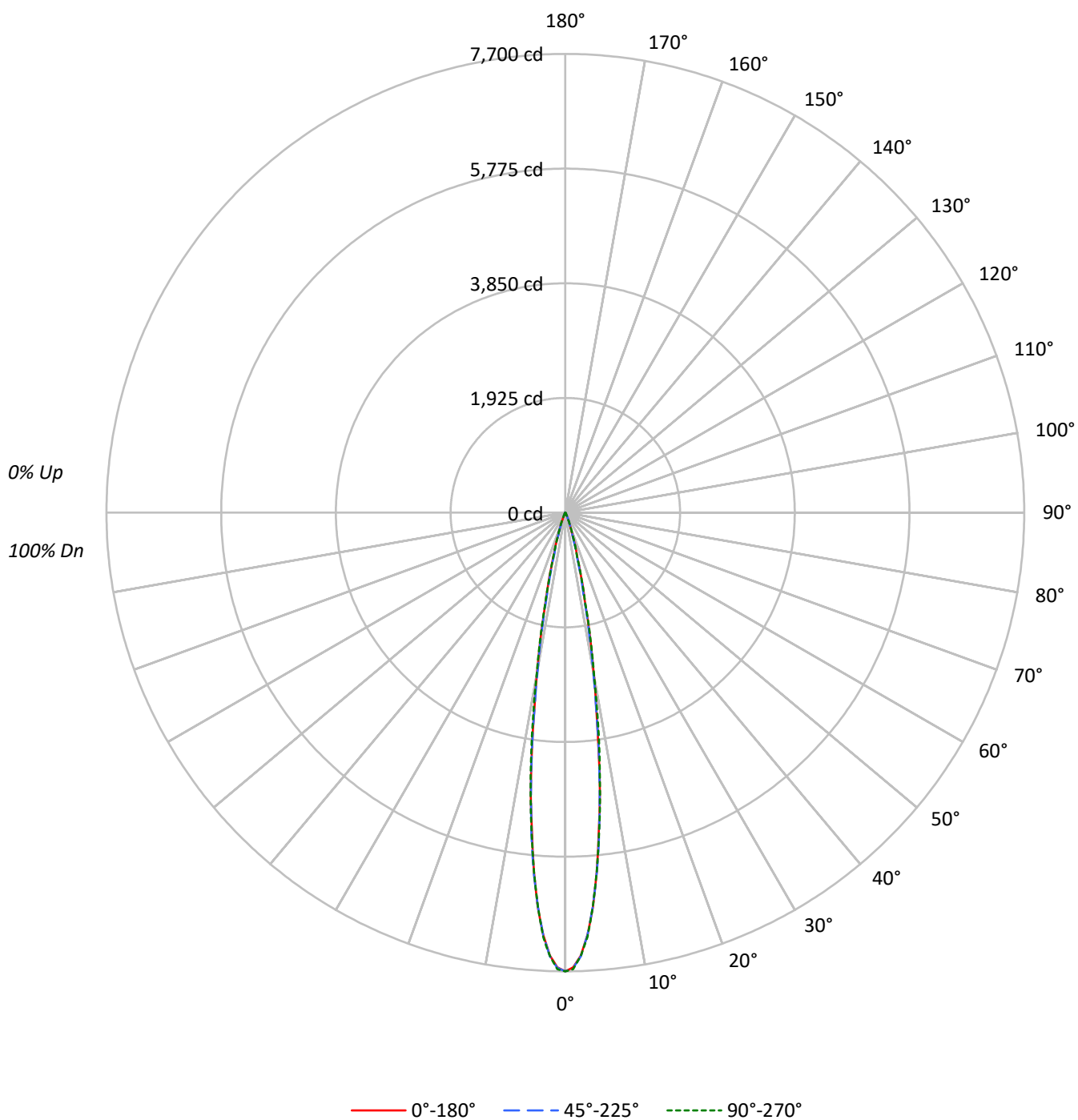
Lumens per Lamp: N/A
Luminaire Lumens: 771.0 lumens
Efficiency: N/A
Efficacy: 62.7 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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	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°	1326097	1326097	1326097
5°	1046031	1048831	1045097
10°	478558	466019	488683
15°	142300	127037	139411
20°	42263	40980	44371
25°	12010	15525	13929
30°	4295	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°	465.2	60.3
10°-20°	258.3	33.5
20°-30°	41.1	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°	764.6	99.2
0°-40°	770.0	99.9
0°-60°	771.0	100.0
0°-90°	771.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	771.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7700	7700	7700	7700	7700	
5°	6051	6101	6067	6041	6045	464
15°	798	788	712	757	782	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°	7699.9	7699.9	7699.9	7699.9	7699.9	7699.9	7699.9	7699.9	7699.9	7699.9	7699.9
1°	7633.6	7642.1	7652.9	7642.9	7633.6	7642.1	7630.5	7632.1	7622.8	7642.9	7665.2
2°	7439.3	7450.1	7443.9	7430.1	7451.7	7453.2	7429.3	7417.7	7416.2	7436.2	7443.9
3°	7095.4	7120.1	7120.9	7116.2	7109.3	7095.4	7070.7	7086.9	7064.6	7050.7	7129.4
4°	6638.2	6659.8	6685.2	6668.2	6617.4	6622.0	6638.2	6583.4	6586.5	6618.1	6620.4
5°	6050.6	6116.2	6119.2	6095.3	6055.2	6066.8	6055.2	6039.8	6045.2	6065.3	6045.2
6°	5359.0	5433.0	5378.2	5430.7	5419.1	5433.8	5437.6	5421.4	5433.0	5420.7	5416.8
7°	4761.4	4705.1	4712.8	4691.2	4714.3	4729.8	4739.0	4711.3	4733.6	4769.1	4779.1
8°	4020.4	4004.2	3988.0	4026.5	4015.8	4034.3	4045.8	4076.7	4075.1	4085.9	4121.4
9°	3314.8	3338.8	3353.4	3319.5	3348.8	3291.7	3311.8	3394.3	3372.7	3394.3	3457.5
10°	2736.5	2755.8	2734.2	2733.5	2702.6	2664.8	2662.5	2693.4	2758.1	2809.0	2794.4
12.5°	1509.8	1526.7	1529.0	1527.5	1472.0	1409.5	1421.1	1445.8	1485.9	1502.8	1530.6
15°	798.1	797.3	805.8	781.9	752.6	712.5	715.6	749.5	779.6	787.3	781.9
17.5°	409.4	411.0	417.2	411.0	380.1	384.0	392.5	396.3	414.1	421.0	417.2
20°	230.6	231.3	230.6	232.9	220.5	223.6	234.4	235.2	239.0	242.9	242.1
22.5°	131.9	132.6	137.3	135.7	132.6	136.5	138.8	142.6	144.2	142.6	147.3
25°	63.2	64.0	64.0	73.3	77.9	81.7	83.3	81.7	80.2	74.0	73.3
27.5°	36.2	36.2	37.8	38.6	40.1	47.0	46.3	38.6	32.4	32.4	33.2
30°	21.6	20.8	20.8	21.6	22.4	23.1	21.6	20.8	20.8	21.6	20.8
32.5°	13.1	13.1	13.1	12.3	12.3	11.6	11.6	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	3.9	3.9	3.1	3.9	3.9	3.9	3.9	3.9
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)