

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: P1327397

Luminaire Tested: LDSQA3D13R15W2N902750DE010 3LSQPHR1MB_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327397
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI ,
3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

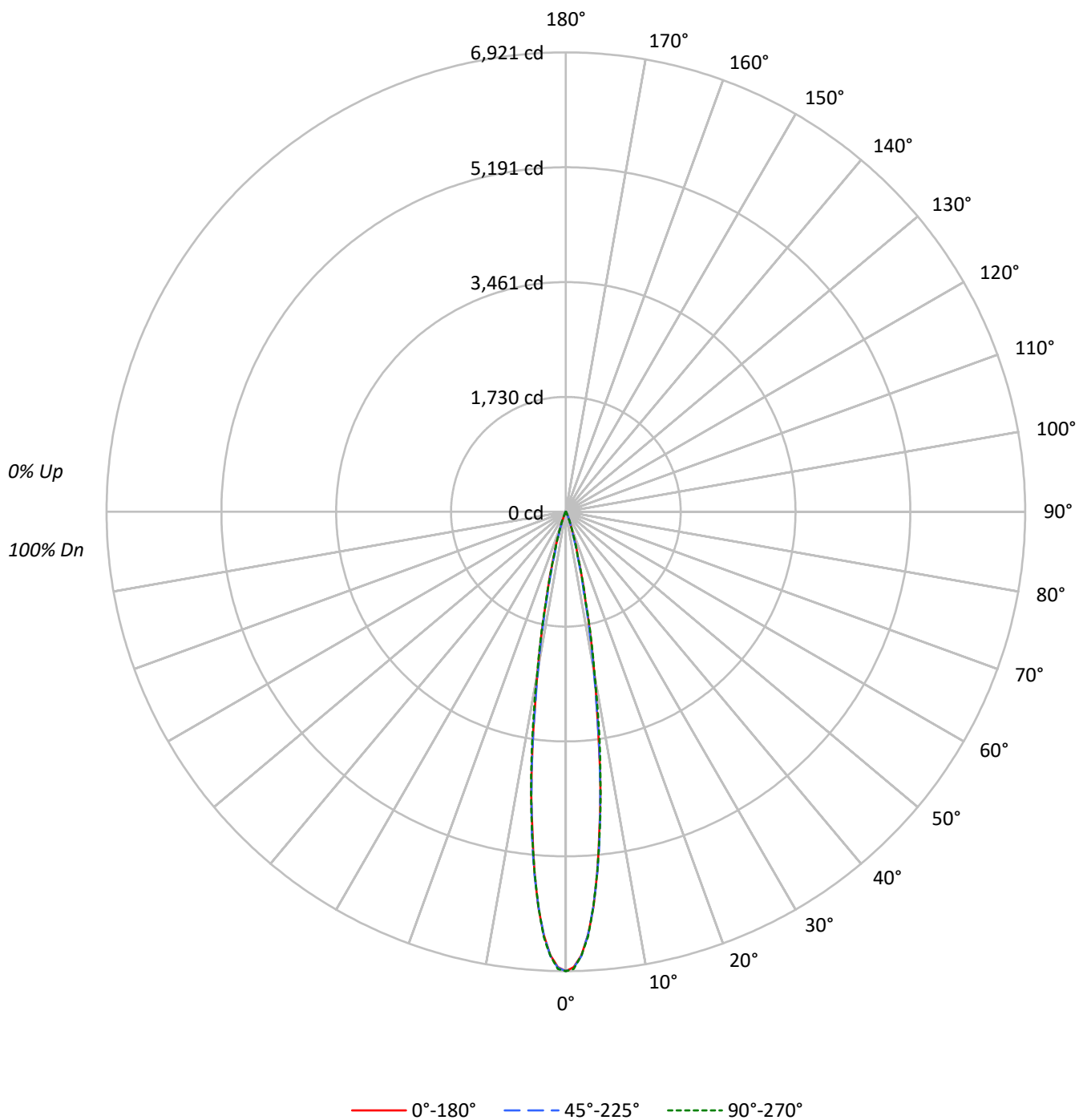
Lumens per Lamp: N/A
Luminaire Lumens: 693.0 lumens
Efficiency: N/A
Efficacy: 56.3 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100	100	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	98	98	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	97	97	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	95	95	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	93	93	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	92	92	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	89	89	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88	88	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°	1191953	1191953	1191953
5°	940211	942717	939364
10°	430151	418871	439245
15°	127893	114182	125308
20°	37975	36838	39881
25°	10794	13967	12504
30°	3858	4136	3719
35°	1451	1304	1304
40°	629	315	472
45°	341	170	341
50°	188	0	188
55°	210	0	210
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: 357 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.2	60.3
10°-20°	232.2	33.5
20°-30°	37.0	5.3
30°-40°	4.8	0.7
40°-50°	0.7	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°	687.3	99.2
0°-40°	692.1	99.9
0°-60°	693.0	100.0
0°-90°	693.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	693.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6921	6921	6921	6921	6921	
5°	5438	5484	5453	5430	5434	417
15°	717	708	640	680	703	237
25°	57	64	74	73	66	35
35°	7	7	6	7	6	5
45°	1	1	1	1	1	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°	6921.0	6921.0	6921.0	6921.0	6921.0	6921.0	6921.0	6921.0	6921.0	6921.0	6921.0
1°	6861.4	6869.0	6878.7	6869.7	6861.4	6869.0	6858.6	6860.0	6851.7	6869.7	6889.8
2°	6686.7	6696.4	6690.9	6678.4	6697.8	6699.2	6677.7	6667.3	6665.9	6683.9	6690.9
3°	6377.6	6399.8	6400.5	6396.3	6390.1	6377.6	6355.4	6370.0	6349.9	6337.4	6408.1
4°	5966.6	5986.0	6008.9	5993.6	5947.9	5952.1	5966.6	5917.4	5920.2	5948.6	5950.7
5°	5438.5	5497.4	5500.2	5478.7	5442.7	5453.0	5442.7	5428.8	5433.6	5451.7	5433.6
6°	4816.8	4883.3	4834.1	4881.3	4870.9	4884.0	4887.5	4873.0	4883.3	4872.3	4868.8
7°	4279.7	4229.1	4236.0	4216.6	4237.4	4251.3	4259.6	4234.6	4254.7	4286.6	4295.6
8°	3613.6	3599.1	3584.5	3619.2	3609.5	3626.1	3636.5	3664.2	3662.9	3672.6	3704.4
9°	2979.5	3001.0	3014.1	2983.7	3010.0	2958.7	2976.7	3050.9	3031.5	3050.9	3107.7
10°	2459.7	2477.0	2457.6	2456.9	2429.2	2395.2	2393.2	2420.9	2479.1	2524.8	2511.7
12.5°	1357.0	1372.3	1374.4	1373.0	1323.1	1266.9	1277.3	1299.5	1335.5	1350.8	1375.7
15°	717.3	716.6	724.3	702.8	676.4	640.4	643.2	673.7	700.7	707.6	702.8
17.5°	368.0	369.4	374.9	369.4	341.7	345.1	352.8	356.2	372.2	378.4	374.9
20°	207.2	207.9	207.2	209.3	198.2	201.0	210.7	211.4	214.9	218.3	217.6
22.5°	118.5	119.2	123.4	122.0	119.2	122.7	124.8	128.2	129.6	128.2	132.4
25°	56.8	57.5	57.5	65.8	70.0	73.5	74.9	73.5	72.1	66.5	65.8
27.5°	32.6	32.6	34.0	34.7	36.0	42.3	41.6	34.7	29.1	29.1	29.8
30°	19.4	18.7	18.7	19.4	20.1	20.8	19.4	18.7	18.7	19.4	18.7
32.5°	11.8	11.8	11.8	11.1	11.1	10.4	10.4	11.8	11.8	11.8	11.8
35°	6.9	6.9	6.9	6.9	6.2	6.2	6.2	6.9	6.9	6.2	6.2
37.5°	4.2	4.2	4.2	3.5	3.5	2.8	3.5	3.5	3.5	3.5	3.5
40°	2.8	2.8	2.1	2.1	1.4	1.4	1.4	2.1	2.1	2.1	2.1
42.5°	2.1	2.1	1.4	1.4	0.7	0.7	0.7	1.4	1.4	1.4	1.4
45°	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4
47.5°	1.4	1.4	0.7	0.7	0.0	0.0	0.0	0.7	0.7	0.7	0.7
50°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
52.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
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	0.7	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)