

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: P1311437

Luminaire Tested: LDSQA3D13R159040DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311437
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: LDSQA3D13R159040DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

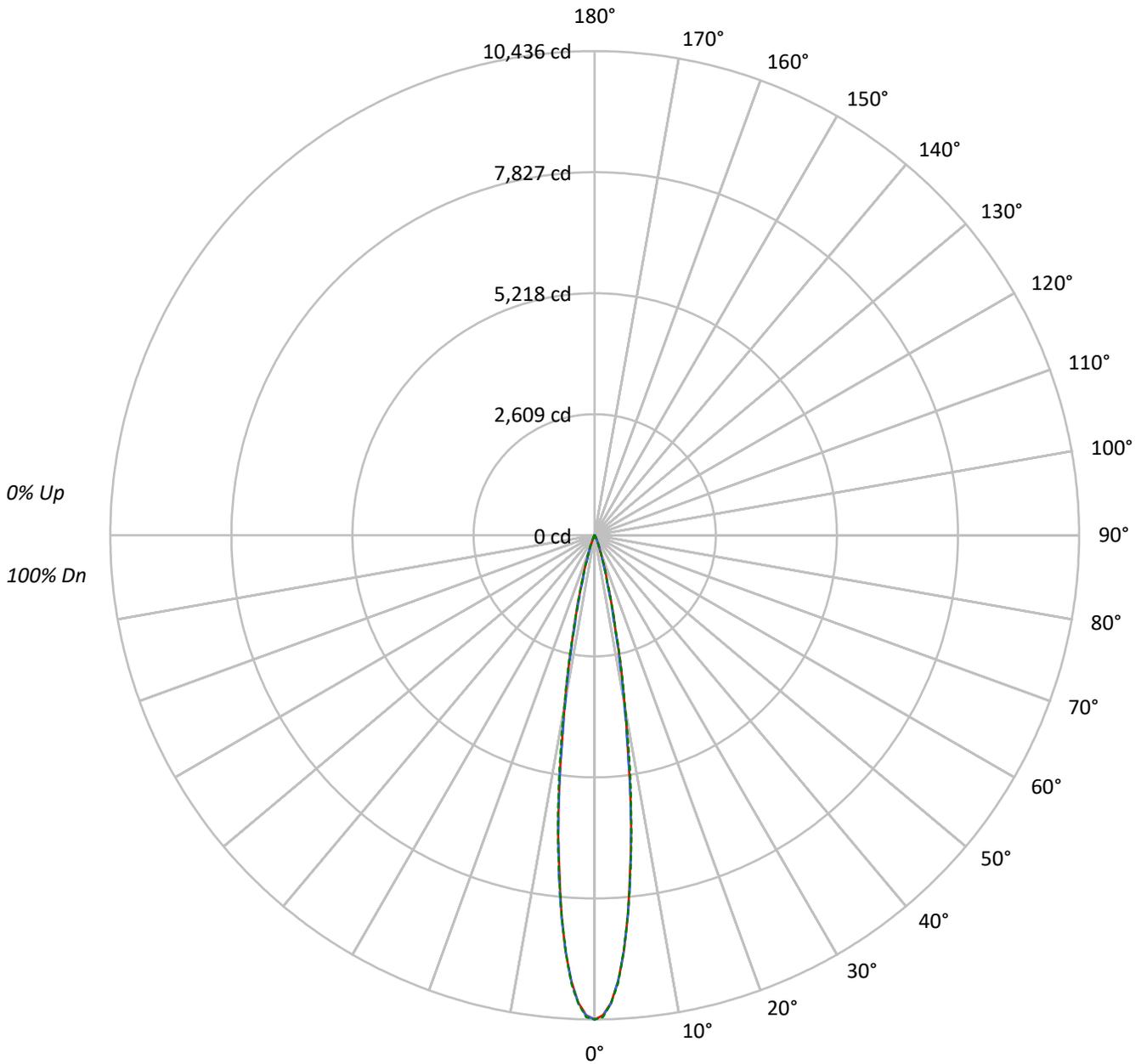
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1045.0 lumens
Efficiency: N/A
Efficacy: 71.6 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): 14.6
Input Voltage (V): NR
Input Current (A_{in}): 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	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	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	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	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	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	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1797384	1797384	1797384
5°	1417776	1421579	1416514
10°	648645	631647	662338
15°	192865	172182	188942
20°	57274	55551	60151
25°	16285	21055	18870
30°	5827	6244	5608
35°	2208	1976	1976
40°	944	472	697
45°	511	244	511
50°	268	0	268
55°	300	0	300
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: 535 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	630.6	60.3
10°-20°	350.1	33.5
20°-30°	55.7	5.3
30°-40°	7.3	0.7
40°-50°	1.1	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°	1036.4	99.2
0°-40°	1043.7	99.9
0°-60°	1045.0	100.0
0°-90°	1045.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1045.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10436	10436	10436	10436	10436	
5°	8201	8270	8223	8188	8194	629
15°	1082	1068	966	1026	1060	357
25°	86	96	111	110	99	52
35°	10	10	9	10	9	8
45°	2	1	1	1	2	2
55°	1	0	0	0	1	1
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°	10436.4	10436.4	10436.4	10436.4	10436.4	10436.4	10436.4	10436.4	10436.4	10436.4	10436.4
1°	10346.5	10358.0	10372.6	10359.0	10346.5	10358.0	10342.3	10344.4	10331.9	10359.0	10389.3
2°	10083.1	10097.8	10089.4	10070.6	10099.9	10101.9	10069.5	10053.9	10051.8	10078.9	10089.4
3°	9617.0	9650.5	9651.5	9645.2	9635.8	9617.0	9583.6	9605.5	9575.2	9556.4	9663.0
4°	8997.3	9026.5	9061.0	9038.0	8969.1	8975.3	8997.3	8923.1	8927.2	8970.1	8973.2
5°	8200.9	8289.7	8293.9	8261.5	8207.2	8222.9	8207.2	8186.3	8193.6	8220.8	8193.6
6°	7263.4	7363.8	7289.6	7360.6	7345.0	7364.8	7370.0	7348.1	7363.8	7347.1	7341.8
7°	6453.5	6377.2	6387.7	6358.4	6389.7	6410.6	6423.2	6385.6	6415.9	6463.9	6477.5
8°	5449.2	5427.2	5405.3	5457.5	5442.9	5468.0	5483.6	5525.4	5523.4	5538.0	5586.1
9°	4492.9	4525.3	4545.1	4499.2	4538.9	4461.5	4488.7	4600.5	4571.3	4600.5	4686.2
10°	3709.1	3735.2	3705.9	3704.9	3663.1	3611.9	3608.7	3650.5	3738.3	3807.3	3787.4
12.5°	2046.3	2069.3	2072.4	2070.3	1995.1	1910.4	1926.1	1959.6	2013.9	2036.9	2074.5
15°	1081.7	1080.6	1092.1	1059.7	1020.0	965.7	969.9	1015.8	1056.6	1067.0	1059.7
17.5°	554.9	557.0	565.4	557.0	515.2	520.5	532.0	537.2	561.2	570.6	565.4
20°	312.5	313.5	312.5	315.6	298.9	303.1	317.7	318.8	324.0	329.2	328.2
22.5°	178.7	179.8	186.0	183.9	179.8	185.0	188.1	193.3	195.4	193.3	199.6
25°	85.7	86.7	86.7	99.3	105.6	110.8	112.9	110.8	108.7	100.3	99.3
27.5°	49.1	49.1	51.2	52.3	54.3	63.8	62.7	52.3	43.9	43.9	44.9
30°	29.3	28.2	28.2	29.3	30.3	31.4	29.3	28.2	28.2	29.3	28.2
32.5°	17.8	17.8	17.8	16.7	16.7	15.7	15.7	17.8	17.8	17.8	17.8
35°	10.5	10.5	10.5	10.5	9.4	9.4	9.4	10.5	10.5	9.4	9.4
37.5°	6.3	6.3	6.3	5.2	5.2	4.2	5.2	5.2	5.2	5.2	5.2
40°	4.2	4.2	3.1	3.1	2.1	2.1	2.1	3.1	3.1	3.1	3.1
42.5°	3.1	3.1	2.1	2.1	1.0	1.0	1.0	2.1	2.1	2.1	2.1
45°	2.1	2.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0	2.1	2.1
47.5°	2.1	2.1	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
50°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
52.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
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	1.0	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)