

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: P1320274

Luminaire Tested: LDSQA3D17R359840DE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320274
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R359840DE010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

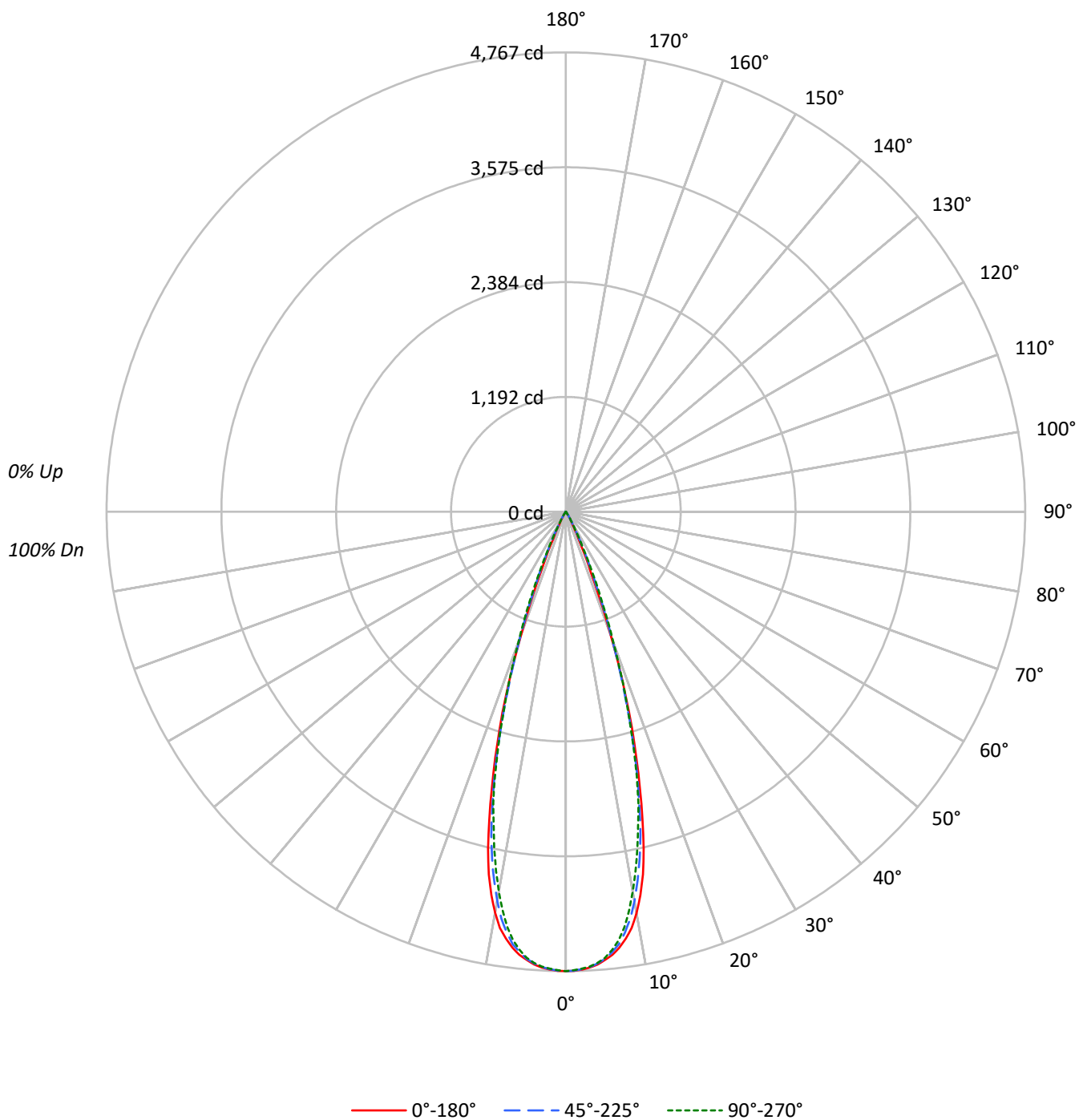
Lumens per Lamp: N/A
Luminaire Lumens: 1447.0 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97
3	108	103	100	97	106	102	99	96	99	97	94		97	95	93		95
4	104	99	95	92	103	98	94	92	96	93	91		94	92	90		93
5	101	95	91	88	100	95	91	88	93	90	87		92	89	87		90
6	98	92	88	85	97	91	88	85	90	87	84		89	86	84		88
7	96	89	85	82	94	89	85	82	87	84	81		86	83	81		85
8	93	86	82	79	92	86	82	79	85	81	79		84	81	79		83
9	90	84	80	77	89	83	79	77	82	79	76		82	79	76		81
10	88	81	77	75	87	81	77	74	80	77	74		80	76	74		79

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	821054	821054	821054
5°	806954	805226	803497
10°	739548	717321	699885
15°	529563	512678	506455
20°	245553	254020	262927
25°	58262	82890	86443
30°	17102	19588	22054
35°	3932	6286	5761
40°	832	1686	1124
45°	292	292	292
50°	322	0	322
55°	0	0	0
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: 52.5°

Luminance: 339 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.0	29.6
10°-20°	765.2	52.9
20°-30°	230.2	15.9
30°-40°	22.0	1.5
40°-50°	1.5	0.1
50°-60°	0.1	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°	1423.4	98.4
0°-40°	1445.4	99.9
0°-60°	1447.0	100.0
0°-90°	1447.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1447.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4767	4767	4767	4767	4767	
5°	4668	4666	4658	4652	4648	433
15°	2970	2948	2875	2863	2840	784
25°	307	338	436	455	455	197
35°	19	25	30	32	27	17
45°	1	1	1	1	1	1
55°	0	0	0	0	0	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4767.4	4767.4	4767.4	4767.4	4767.4
1°	4764.9	4764.9	4762.4	4762.4	4757.4
2°	4753.7	4754.9	4749.9	4748.7	4744.9
3°	4736.2	4732.5	4732.5	4730.0	4727.5
4°	4708.8	4701.3	4698.8	4700.1	4695.1
5°	4667.7	4666.4	4657.7	4651.5	4647.7
6°	4622.8	4614.1	4595.4	4579.2	4575.4
7°	4555.5	4536.8	4520.6	4486.9	4481.9
8°	4473.2	4443.3	4408.4	4361.0	4358.6
9°	4372.3	4323.7	4275.0	4211.5	4189.0
10°	4228.9	4184.1	4101.8	4045.7	4002.1
11°	4050.7	3994.6	3898.6	3831.3	3795.2
12°	3848.8	3796.4	3684.3	3623.2	3572.1
13°	3589.5	3545.9	3441.2	3373.9	3334.0
14°	3289.2	3256.8	3157.1	3127.1	3113.4
15°	2970.1	2947.7	2875.4	2862.9	2840.5
17.5°	2186.1	2148.7	2107.6	2115.1	2122.6
20°	1339.8	1392.2	1386.0	1413.4	1434.6
22.5°	668.1	735.4	813.9	861.2	884.9
25°	306.6	337.8	436.2	454.9	454.9
27.5°	154.5	162.0	205.7	209.4	219.4
30°	86.0	92.2	98.5	109.7	110.9
32.5°	43.6	51.1	53.6	59.8	57.3
35°	18.7	24.9	29.9	32.4	27.4
37.5°	8.7	11.2	16.2	15.0	11.2
40°	3.7	5.0	7.5	6.2	5.0
42.5°	2.5	2.5	3.7	2.5	2.5
45°	1.2	1.2	1.2	1.2	1.2
47.5°	1.2	1.2	0.0	1.2	1.2
50°	1.2	0.0	0.0	0.0	1.2
52.5°	1.2	0.0	0.0	0.0	1.2
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)