

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: P1319642

Luminaire Tested: LDSQA3D02R209840DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319642
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R209840DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

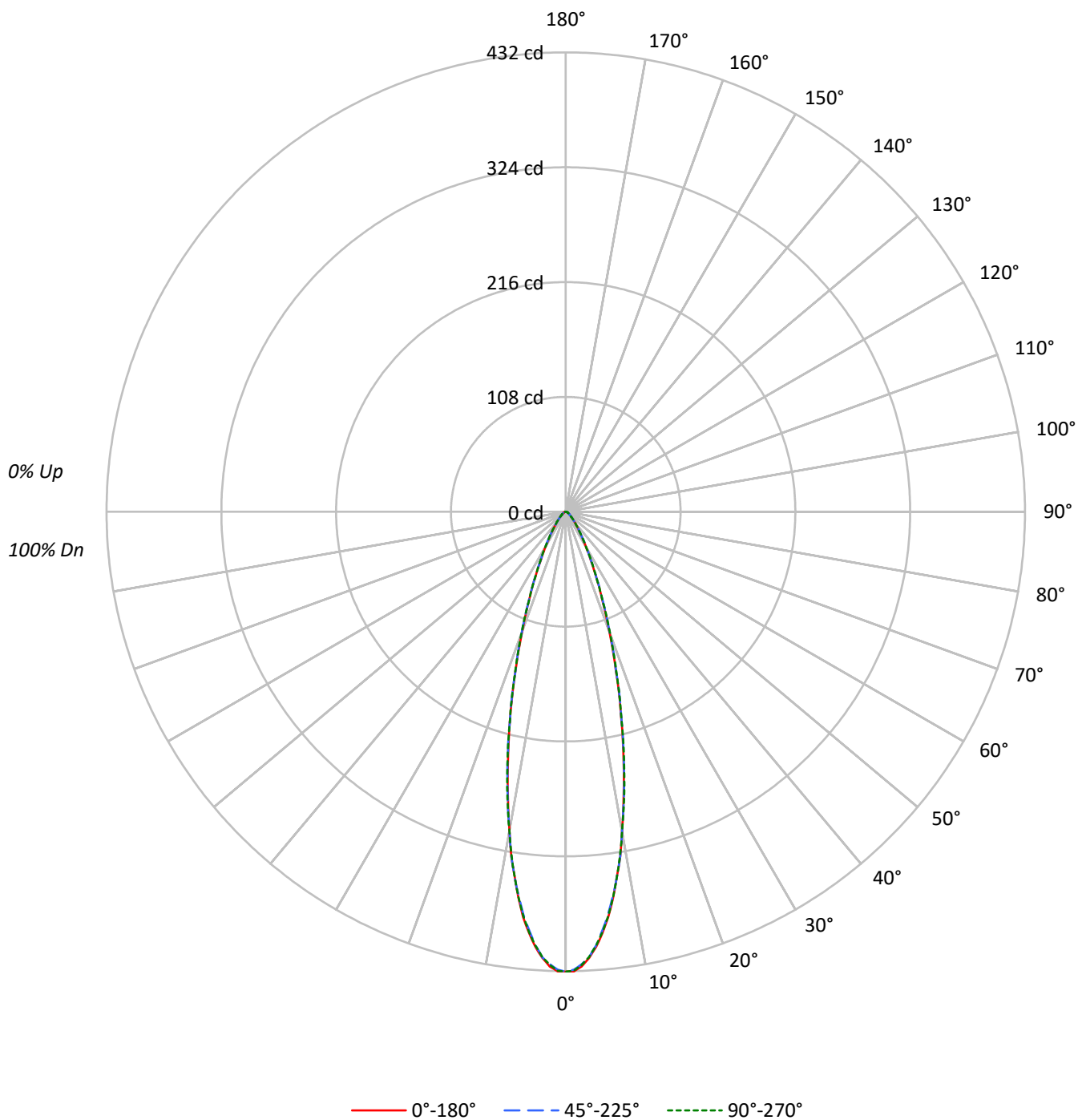
Lumens per Lamp: N/A
Luminaire Lumens: 152.0 lumens
Efficiency: N/A
Efficacy: 42.2 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	74486	74486	74486
5°	68720	68322	68564
10°	53321	53391	53391
15°	36052	36212	36212
20°	21883	22176	22268
25°	12846	13017	12979
30°	7497	7636	7676
35°	4583	4688	4688
40°	2990	3013	3058
45°	2070	2119	2168
50°	1527	1581	1581
55°	1201	1261	1261
60°	1033	1033	1102
65°	937	937	1019
70°	856	856	856
75°	732	732	732
80°	595	595	793
85°	395	395	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2168 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.9	22.9
10°-20°	55.9	36.7
20°-30°	32.4	21.3
30°-40°	14.5	9.5
40°-50°	6.9	4.5
50°-60°	3.8	2.5
60°-70°	2.3	1.5
70°-80°	1.2	0.8
80°-90°	0.3	0.2
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°	123.1	81.0
0°-40°	137.6	90.5
0°-60°	148.2	97.5
0°-90°	152.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	152.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	432	432	432	432	432	
5°	398	396	395	396	397	35
15°	202	202	203	202	203	56
25°	68	68	68	68	68	32
35°	22	22	22	22	22	14
45°	8	8	9	9	9	7
55°	4	4	4	4	4	4
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
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°	432.5	432.5	432.5	432.5	432.5
1°	432.3	431.2	430.8	430.4	431.6
2°	428.0	426.7	425.9	426.3	426.5
3°	420.2	419.5	419.5	418.9	419.3
4°	410.2	408.7	408.7	408.9	408.9
5°	397.5	396.2	395.2	396.0	396.6
6°	383.3	381.6	380.9	381.0	382.4
7°	365.9	363.6	364.0	365.0	365.0
8°	346.2	346.0	346.4	346.0	346.4
9°	328.0	325.4	327.7	325.8	326.7
10°	304.9	304.8	305.3	305.9	305.3
12.5°	252.3	253.3	253.6	252.9	254.6
15°	202.2	202.2	203.1	202.2	203.1
17.5°	157.3	157.1	157.9	157.1	158.2
20°	119.4	120.8	121.0	121.0	121.5
22.5°	90.1	90.1	90.9	91.0	90.7
25°	67.6	67.6	68.5	68.0	68.3
27.5°	50.0	50.4	51.1	51.5	51.5
30°	37.7	37.9	38.4	38.6	38.6
32.5°	28.4	28.8	29.2	29.3	29.5
35°	21.8	22.0	22.3	22.5	22.3
37.5°	16.7	16.8	17.2	17.4	17.4
40°	13.3	13.3	13.4	13.6	13.6
42.5°	10.4	10.6	10.6	10.8	10.8
45°	8.5	8.5	8.7	8.7	8.9
47.5°	6.8	6.8	7.0	7.2	7.2
50°	5.7	5.7	5.9	5.9	5.9
52.5°	4.7	4.7	4.9	4.9	4.9
55°	4.0	4.0	4.2	4.2	4.2
57.5°	3.4	3.4	3.6	3.6	3.6
60°	3.0	3.0	3.0	3.0	3.2
62.5°	2.7	2.7	2.7	2.7	2.7
65°	2.3	2.3	2.3	2.3	2.5
67.5°	1.9	1.9	1.9	1.9	2.1
70°	1.7	1.7	1.7	1.7	1.7
72.5°	1.3	1.3	1.3	1.5	1.5
75°	1.1	1.1	1.1	1.1	1.1
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.6	0.6	0.6	0.8	0.8
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)