

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: P1316058

Luminaire Tested: LDSQA3D02R159740DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316058
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R159740DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

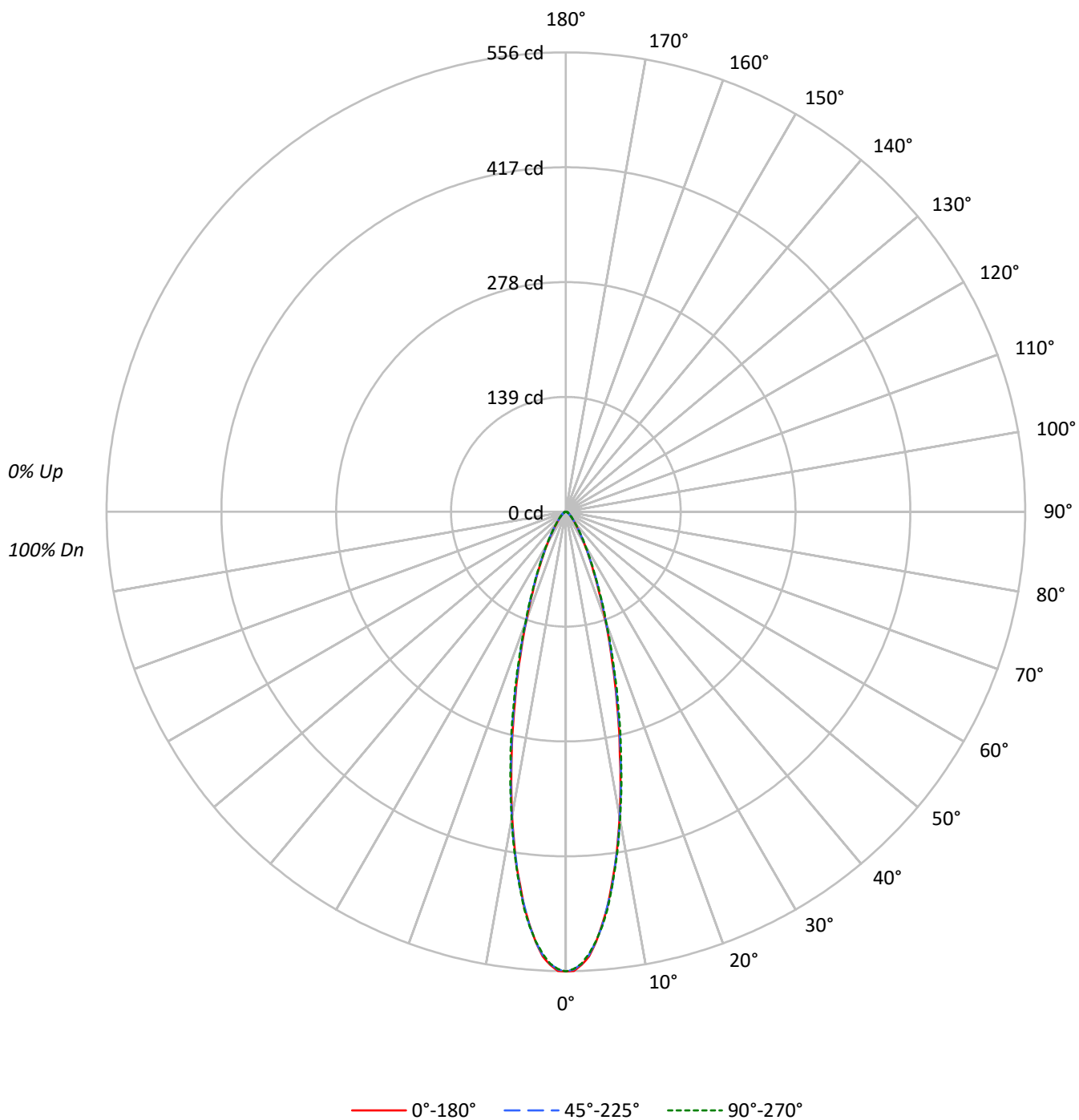
Lumens per Lamp: N/A
Luminaire Lumens: 184.0 lumens
Efficiency: N/A
Efficacy: 51.1 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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		97	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	85	82		86
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	95825	95825	95825
5°	86803	86959	87080
10°	65527	65702	66034
15°	42506	42970	43808
20°	25585	25897	26245
25°	14955	15259	15487
30°	8790	9068	9207
35°	5424	5614	5719
40°	3552	3665	3710
45°	2484	2533	2582
50°	1849	1902	1956
55°	1501	1561	1561
60°	1309	1309	1309
65°	1141	1141	1141
70°	957	1057	1057
75°	932	932	932
80°	694	893	893
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2582 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.8	23.8
10°-20°	67.0	36.4
20°-30°	38.1	20.7
30°-40°	17.4	9.4
40°-50°	8.3	4.5
50°-60°	4.7	2.5
60°-70°	2.8	1.5
70°-80°	1.5	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°	148.9	80.9
0°-40°	166.3	90.4
0°-60°	179.3	97.5
0°-90°	184.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	184.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	556	556	556	556	556	
5°	502	502	503	503	504	44
15°	238	240	241	244	246	66
25°	79	79	80	81	82	37
35°	26	26	27	27	27	17
45°	10	10	10	11	11	8
55°	5	5	5	5	5	5
65°	3	3	3	3	3	3
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°	556.4	556.4	556.4	556.4	556.4
1°	555.9	554.5	554.0	553.8	553.3
2°	548.8	547.7	547.4	547.4	547.2
3°	538.9	536.8	537.0	536.3	535.6
4°	522.1	521.2	521.7	522.1	521.2
5°	502.1	501.8	503.0	503.0	503.7
6°	481.3	481.0	480.3	482.2	483.2
7°	454.8	456.2	458.1	457.2	457.9
8°	430.7	429.1	429.8	432.1	432.4
9°	402.4	401.2	404.2	405.2	405.4
10°	374.7	375.9	375.7	379.0	377.6
12.5°	302.7	304.5	306.7	308.1	309.5
15°	238.4	239.6	241.0	244.3	245.7
17.5°	183.3	184.8	186.2	189.0	189.5
20°	139.6	140.3	141.3	143.9	143.2
22.5°	104.4	105.6	106.6	107.7	108.4
25°	78.7	78.7	80.3	81.0	81.5
27.5°	58.6	59.1	60.2	61.2	61.0
30°	44.2	44.9	45.6	46.1	46.3
32.5°	34.0	34.0	34.7	35.4	35.7
35°	25.8	26.2	26.7	27.2	27.2
37.5°	20.1	20.3	20.8	21.0	21.0
40°	15.8	15.8	16.3	16.5	16.5
42.5°	12.5	12.8	13.0	13.2	13.2
45°	10.2	10.2	10.4	10.6	10.6
47.5°	8.3	8.3	8.5	8.7	8.7
50°	6.9	7.1	7.1	7.3	7.3
52.5°	5.9	5.9	5.9	6.1	6.1
55°	5.0	5.0	5.2	5.2	5.2
57.5°	4.3	4.3	4.3	4.5	4.5
60°	3.8	3.8	3.8	3.8	3.8
62.5°	3.3	3.3	3.3	3.3	3.3
65°	2.8	2.8	2.8	2.8	2.8
67.5°	2.4	2.4	2.4	2.6	2.6
70°	1.9	2.1	2.1	2.1	2.1
72.5°	1.7	1.7	1.7	1.7	1.7
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.2	1.2	1.2	1.2	1.2
80°	0.7	0.9	0.9	0.9	0.9
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)