

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: P1307609

Luminaire Tested: LDSQA3D02R209027DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307609
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R209027DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

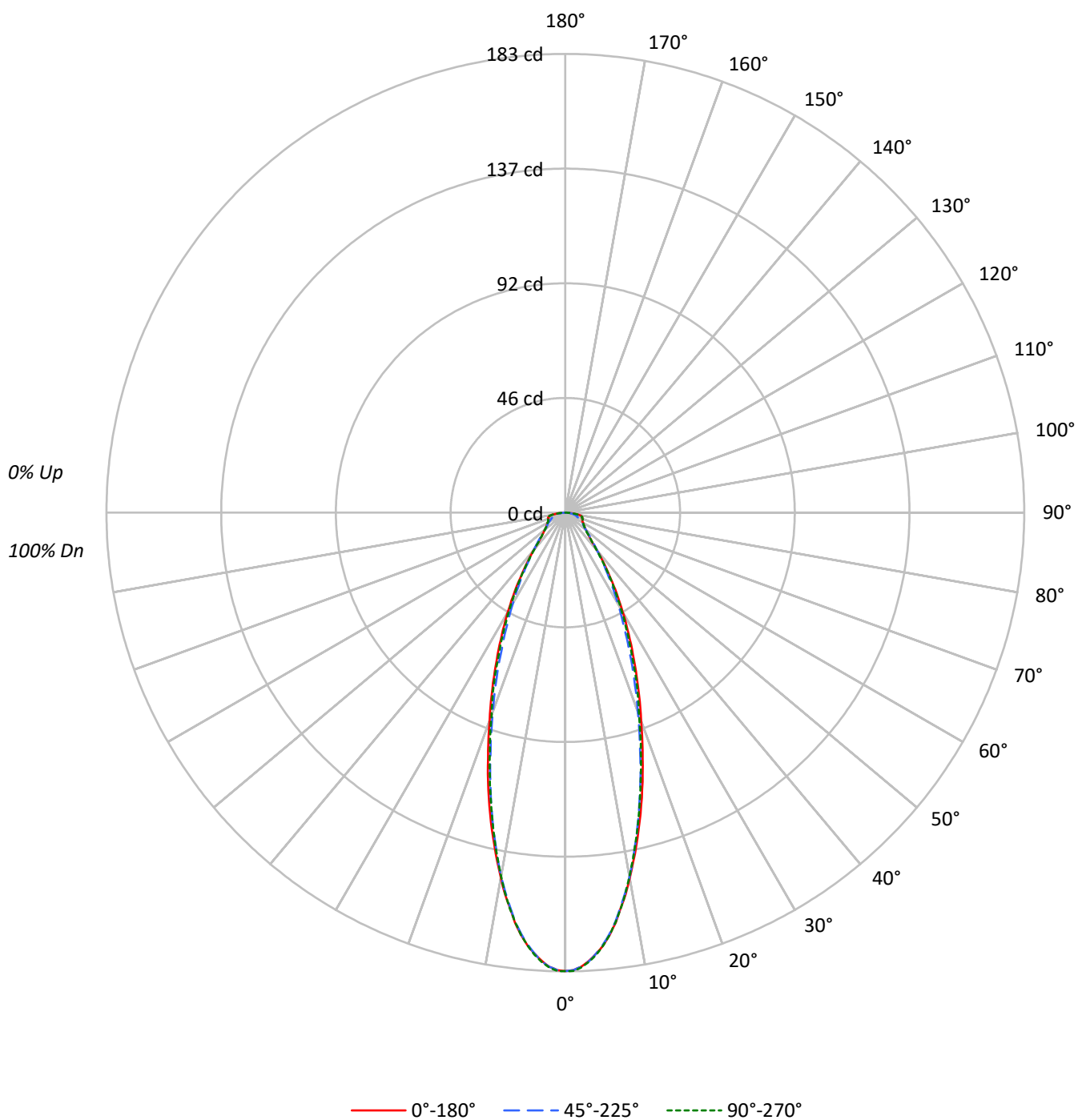
Lumens per Lamp: N/A
Luminaire Lumens: 129.0 lumens
Efficiency: N/A
Efficacy: 35.8 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	83	79	96	88	83	78	85	81	77		83	79	75		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	68	64		72	67	63		71
6	82	72	65	60	81	71	65	60	69	64	59		68	63	59		67
7	78	67	61	56	76	67	60	56	65	60	55		64	59	55		63
8	74	63	57	52	73	63	57	52	62	56	52		61	55	52		60
9	71	60	53	49	69	59	53	49	58	53	49		57	52	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31500	31500	31500
5°	29977	29891	29977
10°	25882	25795	25760
15°	21004	20522	20593
20°	16183	15468	15762
25°	12295	11383	11953
30°	9108	8313	8850
35°	6433	6013	6349
40°	4429	4429	4339
45°	3264	3434	3264
50°	2867	2867	2867
55°	2732	2672	2732
60°	2824	2583	2824
65°	3056	2608	3056
70°	3676	2618	3676
75°	4658	2861	4658
80°	5852	2975	5653
85°	4545	2766	4940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 5852 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	12.2
10°-20°	32.0	24.8
20°-30°	28.6	22.2
30°-40°	18.8	14.5
40°-50°	10.9	8.5
50°-60°	8.1	6.3
60°-70°	6.9	5.3
70°-80°	5.7	4.4
80°-90°	2.4	1.8
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°	76.4	59.2
0°-40°	95.1	73.7
0°-60°	114.2	88.5
0°-90°	129.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	129.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	183	183	183	183	183	
5°	173	173	173	173	173	16
15°	118	117	115	115	116	33
25°	65	63	60	62	63	30
35°	31	30	29	30	30	19
45°	13	14	14	14	13	11
55°	9	9	9	9	9	8
65°	8	7	6	7	8	8
75°	7	5	4	5	7	7
85°	2	2	1	2	2	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	182.9	182.9	182.9	182.9	182.9
1°	182.5	182.7	182.5	182.7	182.9
2°	181.3	181.6	181.3	181.3	181.6
3°	179.1	179.3	179.3	179.3	179.5
4°	176.3	176.6	176.3	176.6	176.8
5°	173.4	173.2	172.9	173.2	173.4
6°	169.3	169.1	168.9	169.1	169.3
7°	164.8	164.5	164.3	164.3	164.5
8°	159.1	159.3	158.6	159.1	159.3
9°	154.1	153.6	153.2	153.2	153.6
10°	148.0	147.5	147.5	147.3	147.3
12.5°	133.0	132.1	131.4	131.4	131.6
15°	117.8	116.7	115.1	115.3	115.5
17.5°	102.6	101.2	99.2	99.6	100.1
20°	88.3	86.9	84.4	85.3	86.0
22.5°	76.0	74.0	71.7	72.4	74.7
25°	64.7	62.9	59.9	61.5	62.9
27.5°	54.7	52.7	50.2	51.7	53.1
30°	45.8	44.0	41.8	43.1	44.5
32.5°	37.9	36.3	34.7	35.6	36.8
35°	30.6	29.7	28.6	29.5	30.2
37.5°	24.7	24.3	23.8	24.3	24.1
40°	19.7	20.0	19.7	19.7	19.3
42.5°	15.7	16.3	16.6	16.1	15.7
45°	13.4	13.6	14.1	13.6	13.4
47.5°	11.8	11.8	12.0	11.8	11.6
50°	10.7	10.7	10.7	10.7	10.7
52.5°	9.8	9.8	9.5	9.8	9.8
55°	9.1	8.9	8.9	8.9	9.1
57.5°	8.6	8.4	8.2	8.4	8.6
60°	8.2	7.7	7.5	7.7	8.2
62.5°	7.7	7.3	7.0	7.3	7.7
65°	7.5	6.8	6.4	6.8	7.5
67.5°	7.3	6.4	5.9	6.4	7.5
70°	7.3	5.9	5.2	6.1	7.3
72.5°	7.0	5.7	4.8	5.7	7.0
75°	7.0	5.2	4.3	5.2	7.0
77.5°	6.6	4.8	3.6	4.8	6.6
80°	5.9	4.3	3.0	4.3	5.7
82.5°	4.3	3.6	2.3	3.6	4.3
85°	2.3	2.5	1.4	2.5	2.5
87.5°	0.2	0.9	0.5	1.4	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)