

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: P1308549

Luminaire Tested: LDSQA3D24R209027D010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308549
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: LDSQA3D24R209027D010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

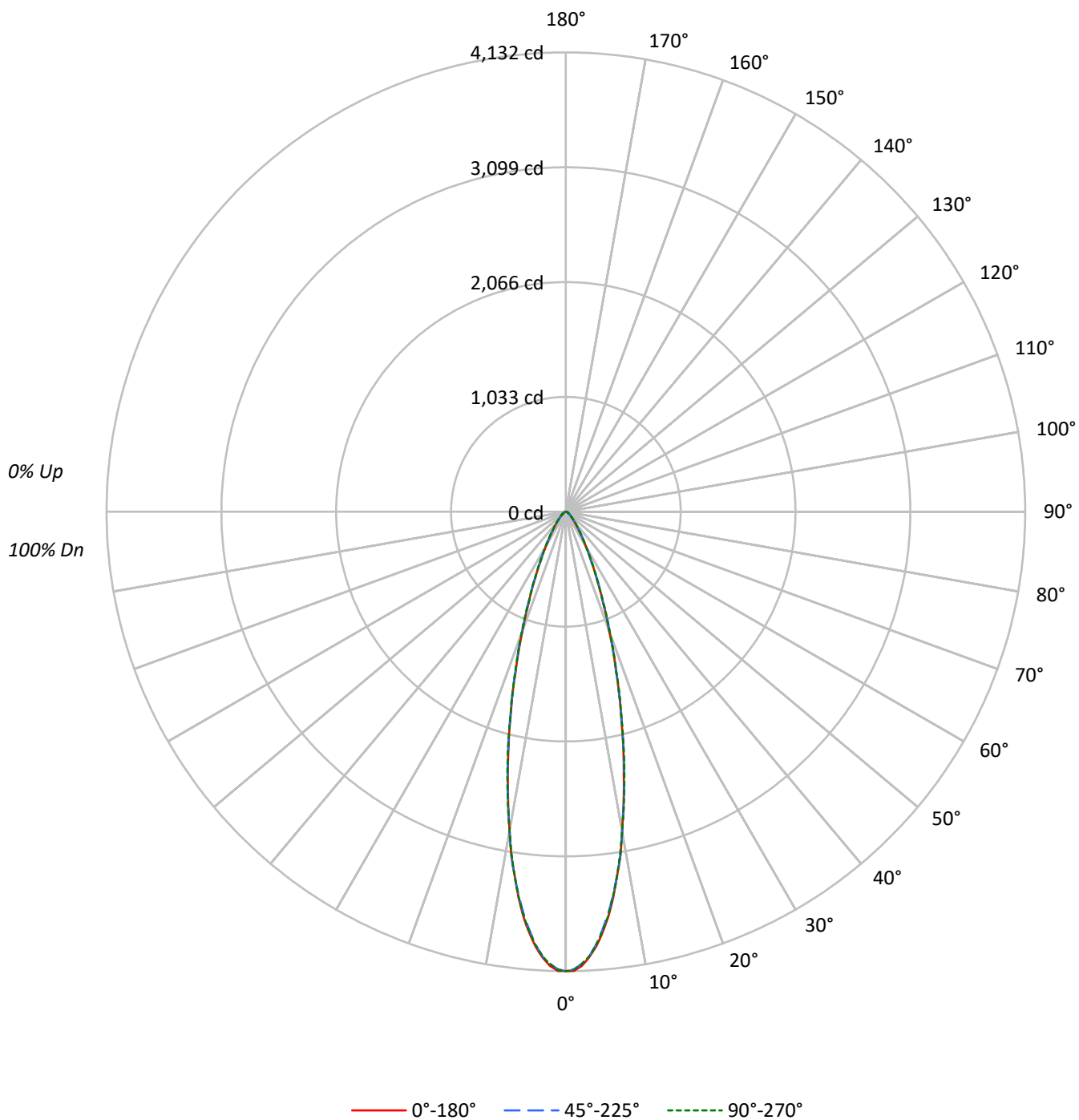
Lumens per Lamp: N/A
Luminaire Lumens: 1452.0 lumens
Efficiency: N/A
Efficacy: 50.4 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	77	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	70	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	67	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	64	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	711590	711590	711590
5°	656462	652728	654906
10°	509424	510053	510053
15°	344329	345934	345934
20°	209117	211757	212765
25°	122662	124391	124049
30°	71552	73004	73362
35°	43710	44866	44866
40°	28462	28867	29272
45°	19826	20264	20703
50°	14522	15031	15031
55°	11410	11950	11950
60°	9954	9954	10574
65°	8843	8843	9577
70°	8208	8208	8208
75°	7187	7187	7187
80°	5356	5356	7141
85°	3557	3557	7114

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 20703 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.2	22.9
10°-20°	533.6	36.7
20°-30°	309.0	21.3
30°-40°	138.5	9.5
40°-50°	65.7	4.5
50°-60°	36.0	2.5
60°-70°	21.8	1.5
70°-80°	11.7	0.8
80°-90°	2.5	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°	1175.7	81.0
0°-40°	1314.3	90.5
0°-60°	1415.9	97.5
0°-90°	1452.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1452.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4132	4132	4132	4132	4132	
5°	3797	3785	3776	3783	3788	334
15°	1931	1931	1940	1931	1940	532
25°	646	646	655	649	653	306
35°	208	210	213	215	213	136
45°	81	81	83	83	85	64
55°	38	38	40	40	40	35
65°	22	22	22	22	24	22
75°	11	11	11	11	11	11
85°	2	2	2	2	4	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4131.8	4131.8	4131.8	4131.8	4131.8
1°	4130.0	4119.1	4115.5	4111.9	4122.7
2°	4088.4	4075.7	4068.5	4072.1	4073.9
3°	4014.2	4007.0	4007.0	4001.6	4005.2
4°	3918.4	3903.9	3903.9	3905.7	3905.7
5°	3797.2	3784.6	3775.6	3782.8	3788.2
6°	3661.6	3645.4	3638.1	3639.9	3652.6
7°	3495.3	3473.6	3477.2	3486.2	3486.2
8°	3307.2	3305.4	3309.0	3305.4	3309.0
9°	3133.6	3108.3	3130.0	3111.9	3121.0
10°	2913.0	2911.2	2916.6	2922.1	2916.6
12.5°	2410.3	2419.4	2423.0	2415.8	2432.0
15°	1931.2	1931.2	1940.2	1931.2	1940.2
17.5°	1502.6	1500.8	1508.1	1500.8	1511.7
20°	1141.0	1153.6	1155.4	1155.4	1160.9
22.5°	860.7	860.7	867.9	869.8	866.1
25°	645.5	645.5	654.6	649.1	652.8
27.5°	477.4	481.0	488.2	491.8	491.8
30°	359.8	361.6	367.1	368.9	368.9
32.5°	271.2	274.8	278.5	280.3	282.1
35°	207.9	209.8	213.4	215.2	213.4
37.5°	159.1	160.9	164.5	166.4	166.4
40°	126.6	126.6	128.4	130.2	130.2
42.5°	99.5	101.3	101.3	103.1	103.1
45°	81.4	81.4	83.2	83.2	85.0
47.5°	65.1	65.1	66.9	68.7	68.7
50°	54.2	54.2	56.1	56.1	56.1
52.5°	45.2	45.2	47.0	47.0	47.0
55°	38.0	38.0	39.8	39.8	39.8
57.5°	32.5	32.5	34.4	34.4	34.4
60°	28.9	28.9	28.9	28.9	30.7
62.5°	25.3	25.3	25.3	25.3	25.3
65°	21.7	21.7	21.7	21.7	23.5
67.5°	18.1	18.1	18.1	18.1	19.9
70°	16.3	16.3	16.3	16.3	16.3
72.5°	12.7	12.7	12.7	14.5	14.5
75°	10.8	10.8	10.8	10.8	10.8
77.5°	9.0	9.0	9.0	9.0	9.0
80°	5.4	5.4	5.4	7.2	7.2
82.5°	3.6	3.6	3.6	3.6	3.6
85°	1.8	1.8	1.8	1.8	3.6
87.5°	0.0	0.0	0.0	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)