

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: P1312849

Luminaire Tested: LDSQA3D20R259050D010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312849
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R259050D010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

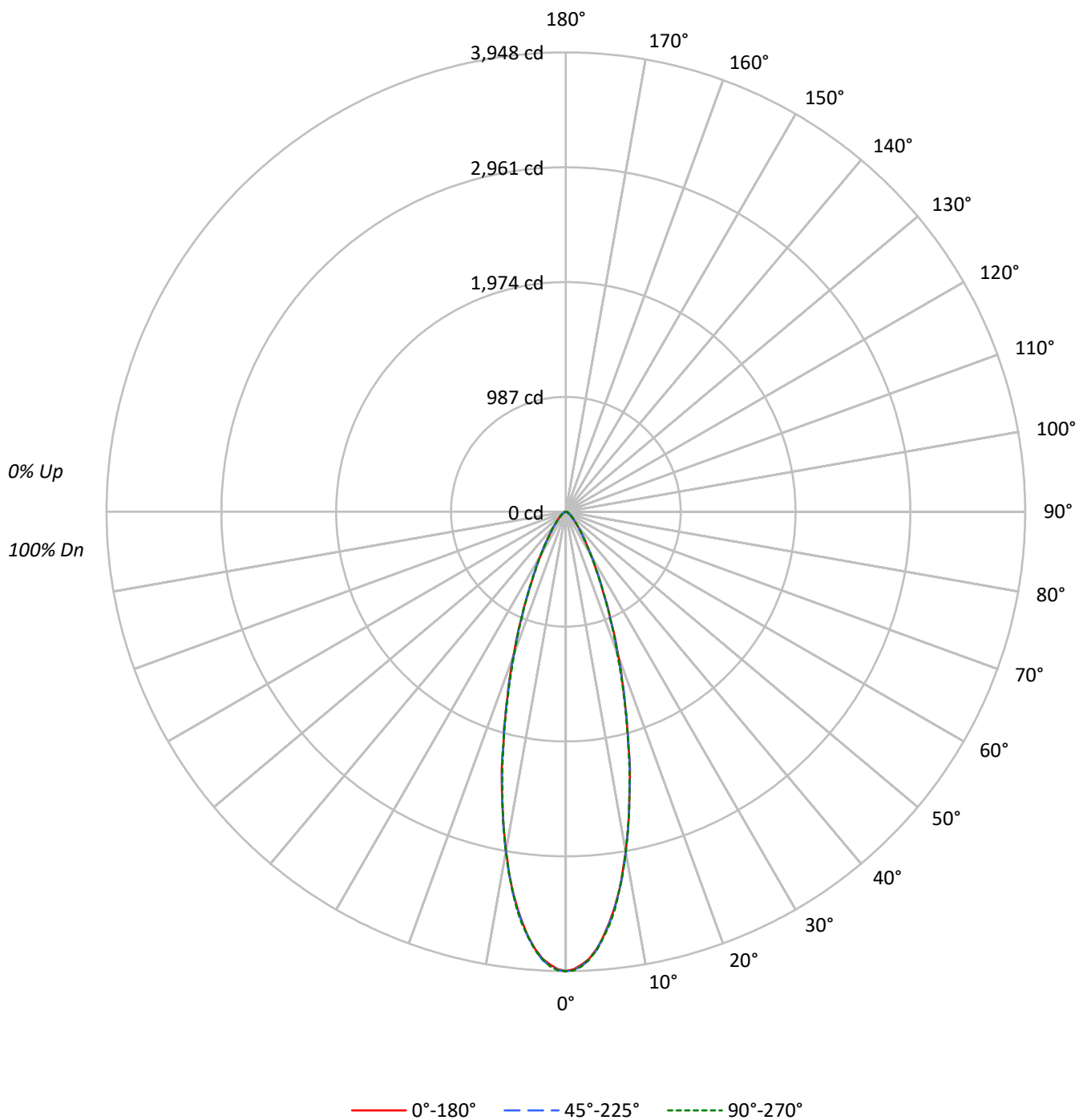
Lumens per Lamp: N/A
Luminaire Lumens: 1582.0 lumens
Efficiency: N/A
Efficacy: 54.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	679969	679969	679969
5°	634679	635319	635647
10°	517696	519305	519305
15°	369754	371733	369754
20°	241997	239633	236242
25°	143869	144572	143869
30°	86666	86666	86308
35°	52814	53192	52814
40°	33633	34038	34038
45°	23382	23382	23382
50°	16826	17308	17308
55°	13302	13302	13872
60°	10816	11436	11436
65°	9780	9780	9780
70°	8359	8359	9316
75°	7386	7386	8584
80°	7339	7339	7339
85°	3557	3557	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23382 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.1	20.7
10°-20°	571.9	36.2
20°-30°	359.5	22.7
30°-40°	164.5	10.4
40°-50°	76.8	4.9
50°-60°	41.3	2.6
60°-70°	24.3	1.5
70°-80°	12.7	0.8
80°-90°	2.8	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°	1259.5	79.6
0°-40°	1424.0	90.0
0°-60°	1542.1	97.5
0°-90°	1582.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1582.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3948	3948	3948	3948	3948	
5°	3671	3679	3675	3679	3677	327
15°	2074	2087	2085	2089	2074	572
25°	757	766	761	761	757	360
35°	251	251	253	253	251	164
45°	96	96	96	96	96	76
55°	44	44	44	46	46	41
65°	24	24	24	24	24	24
75°	11	11	11	13	13	12
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3948.2	3948.2	3948.2	3948.2	3948.2
1°	3931.6	3935.3	3939.0	3944.5	3942.7
2°	3894.7	3902.1	3903.9	3911.3	3909.5
3°	3844.8	3843.0	3857.8	3857.8	3848.5
4°	3767.3	3771.0	3774.7	3778.3	3780.2
5°	3671.2	3678.6	3674.9	3678.6	3676.8
6°	3553.0	3564.1	3562.3	3566.0	3571.5
7°	3427.5	3434.9	3434.9	3431.2	3445.9
8°	3290.8	3285.3	3294.5	3290.8	3289.0
9°	3128.3	3139.4	3141.2	3132.0	3135.7
10°	2960.3	2967.6	2969.5	2975.0	2969.5
11°	2794.1	2794.1	2797.7	2807.0	2792.2
12°	2613.1	2629.7	2613.1	2620.5	2613.1
13°	2441.3	2445.0	2441.3	2439.5	2426.6
14°	2278.8	2265.9	2269.6	2254.8	2256.7
15°	2073.8	2086.8	2084.9	2088.6	2073.8
17.5°	1667.6	1675.0	1673.1	1669.4	1650.9
20°	1320.4	1320.4	1307.5	1300.1	1289.0
22.5°	1008.3	1004.6	999.1	993.5	997.2
25°	757.1	766.4	760.8	760.8	757.1
27.5°	572.5	583.6	574.3	568.8	572.5
30°	435.8	439.5	435.8	434.0	434.0
32.5°	328.7	330.6	328.7	328.7	328.7
35°	251.2	251.2	253.0	253.0	251.2
37.5°	193.9	193.9	193.9	193.9	195.7
40°	149.6	151.4	151.4	151.4	151.4
42.5°	118.2	120.0	120.0	120.0	120.0
45°	96.0	96.0	96.0	96.0	96.0
47.5°	77.6	77.6	77.6	77.6	79.4
50°	62.8	64.6	64.6	64.6	64.6
52.5°	53.6	53.6	53.6	53.6	53.6
55°	44.3	44.3	44.3	46.2	46.2
57.5°	36.9	36.9	38.8	38.8	38.8
60°	31.4	33.2	33.2	33.2	33.2
62.5°	27.7	27.7	29.5	29.5	29.5
65°	24.0	24.0	24.0	24.0	24.0
67.5°	20.3	20.3	20.3	20.3	22.2
70°	16.6	16.6	16.6	18.5	18.5
72.5°	14.8	14.8	14.8	14.8	14.8
75°	11.1	11.1	11.1	12.9	12.9
77.5°	9.2	9.2	9.2	9.2	9.2
80°	7.4	7.4	7.4	7.4	7.4
82.5°	3.7	3.7	5.5	5.5	5.5
85°	1.8	1.8	1.8	1.8	1.8
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)