

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: P1311844

Luminaire Tested: LDSQA3D20R559040D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R559040D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

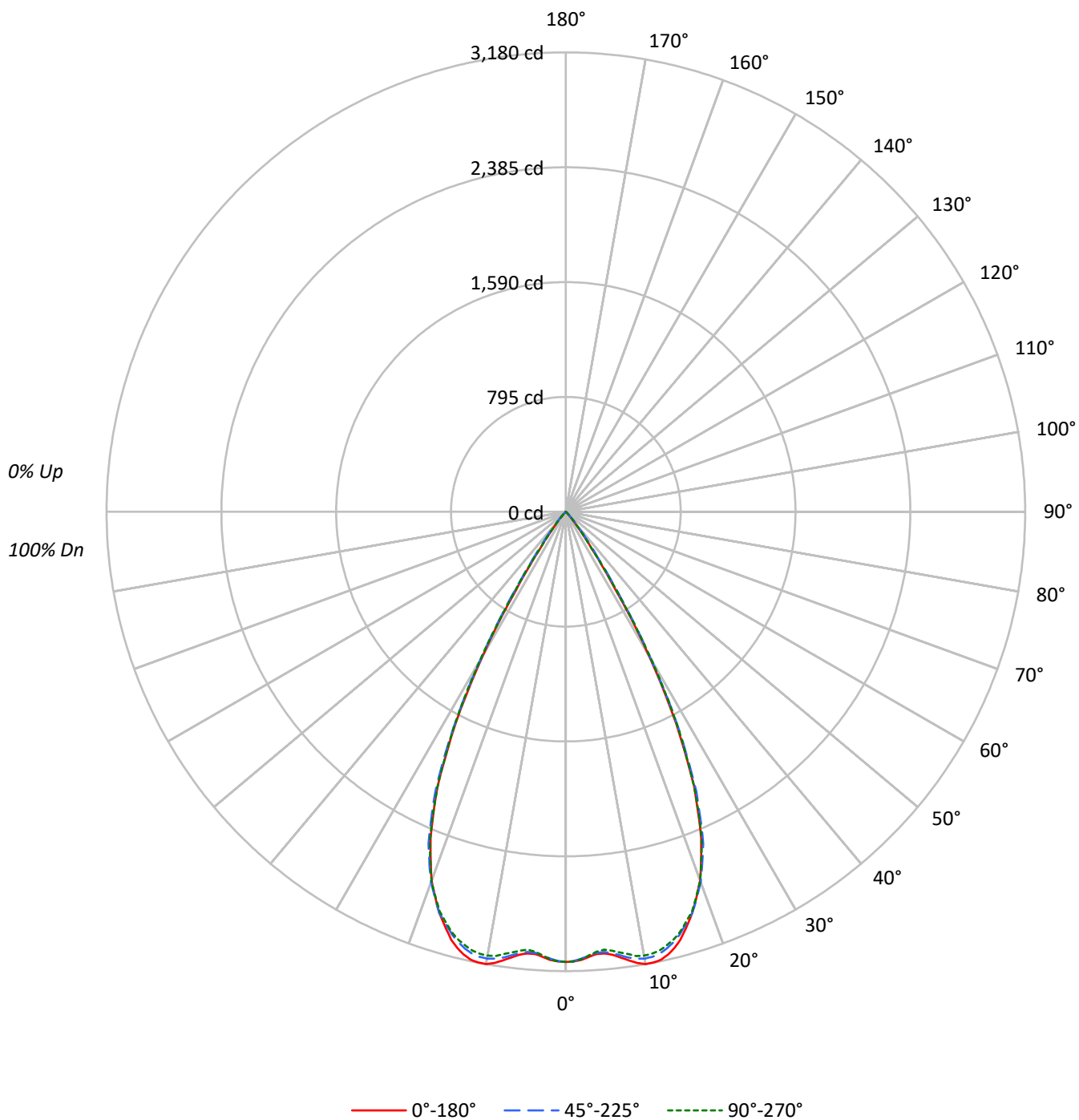
Lumens per Lamp: N/A
Luminaire Lumens: 2369.0 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	89
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	77	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	73	73	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	69	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	65	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	62	62	61
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	66	62	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	536663	536663	536663
5°	530536	528962	526127
10°	556064	549384	545571
15°	546822	540992	539048
20°	498088	500086	498418
25°	399588	405821	399588
30°	229352	235139	236948
35°	65407	78779	67320
40°	16772	24123	17176
45°	1778	8427	1340
50°	0	1474	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 8427 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.8	12.5
10°-20°	844.2	35.6
20°-30°	929.9	39.3
30°-40°	277.6	11.7
40°-50°	21.3	0.9
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	2069.9	87.4
0°-40°	2347.5	99.1
0°-60°	2369.0	100.0
0°-90°	2369.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2369.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3116	3116	3116	3116	3116	
5°	3069	3063	3060	3047	3043	298
15°	3067	3045	3034	3022	3023	850
25°	2103	2103	2136	2132	2103	921
35°	311	331	375	342	320	257
45°	7	18	35	18	6	14
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	3116.1	3116.1	3116.1	3116.1	3116.1
1°	3114.2	3114.2	3110.6	3108.8	3114.2
2°	3105.1	3105.1	3096.0	3094.2	3099.7
3°	3085.1	3083.3	3076.0	3070.6	3074.2
4°	3068.8	3065.1	3059.7	3050.6	3052.4
5°	3068.8	3063.3	3059.7	3046.9	3043.3
6°	3083.3	3079.7	3072.4	3059.7	3056.0
7°	3108.8	3101.5	3094.2	3077.9	3074.2
8°	3136.1	3130.6	3116.1	3099.7	3092.4
9°	3163.3	3150.6	3132.4	3116.1	3114.2
10°	3179.7	3161.5	3141.5	3121.5	3119.7
11°	3177.9	3161.5	3137.9	3119.7	3117.9
12°	3170.6	3147.0	3127.0	3105.1	3107.0
13°	3145.2	3123.3	3103.3	3086.9	3083.3
14°	3110.6	3090.6	3072.4	3056.0	3057.8
15°	3066.9	3045.1	3034.2	3021.5	3023.3
17.5°	2912.3	2906.9	2912.3	2897.8	2903.2
20°	2717.7	2712.2	2728.6	2721.3	2719.5
22.5°	2446.6	2453.9	2484.8	2475.7	2459.4
25°	2102.8	2102.8	2135.6	2131.9	2102.8
27.5°	1655.3	1668.1	1688.1	1697.2	1675.4
30°	1153.3	1182.4	1182.4	1200.6	1191.5
32.5°	643.9	705.8	720.3	729.4	693.1
35°	311.1	331.1	374.7	342.0	320.2
37.5°	149.2	158.3	201.9	163.7	152.8
40°	74.6	85.5	107.3	89.1	76.4
42.5°	30.9	45.5	56.4	45.5	30.9
45°	7.3	18.2	34.6	18.2	5.5
47.5°	0.0	1.8	16.4	3.6	0.0
50°	0.0	0.0	5.5	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)