

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: P1319530

Luminaire Tested: LDSQA3D20R309835D010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319530
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R309835D010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

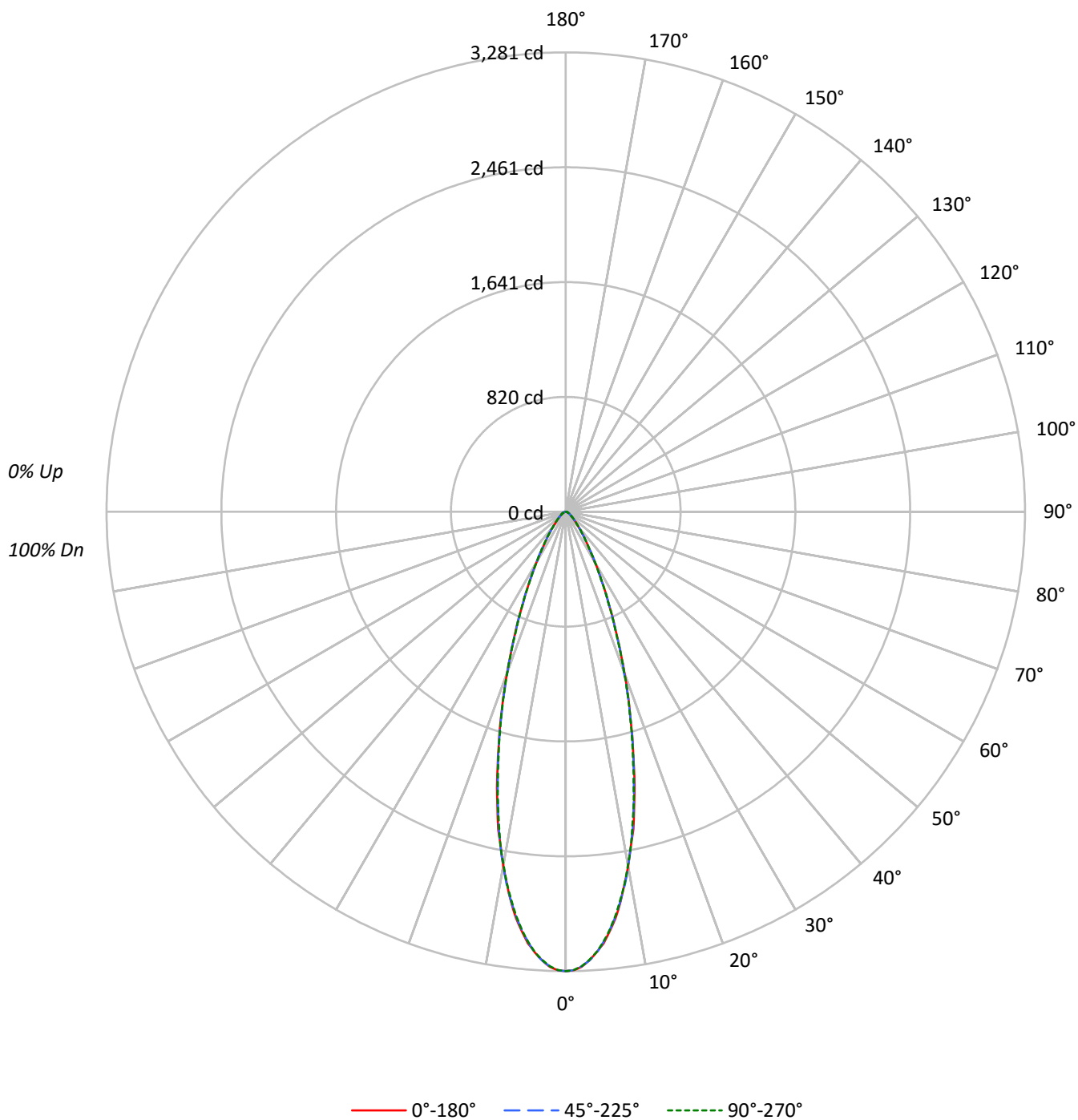
Lumens per Lamp: N/A
Luminaire Lumens: 1441.0 lumens
Efficiency: N/A
Efficacy: 52.6 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	565097	565097	565097
5°	534996	533630	533354
10°	449458	449458	447779
15°	334861	334023	332027
20°	224128	222955	223248
25°	138149	137845	138453
30°	83066	83066	83384
35°	50942	50942	51279
40°	32262	32262	32981
45°	22140	22529	22529
50°	16237	16237	16237
55°	12461	12911	12911
60°	10437	10437	10988
65°	9088	9088	9088
70°	8006	8812	8812
75°	7453	7453	7453
80°	6347	6347	6347
85°	3162	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 22529 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.2	19.3
10°-20°	513.6	35.6
20°-30°	341.4	23.7
30°-40°	157.8	11.0
40°-50°	73.3	5.1
50°-60°	39.1	2.7
60°-70°	22.8	1.6
70°-80°	12.1	0.8
80°-90°	2.6	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°	1133.2	78.6
0°-40°	1291.0	89.6
0°-60°	1403.4	97.4
0°-90°	1441.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1441.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3281	3281	3281	3281	3281	
5°	3095	3088	3087	3095	3085	278
15°	1878	1884	1873	1873	1862	515
25°	727	725	725	725	729	342
35°	242	241	242	244	244	157
45°	91	91	92	92	92	73
55°	42	43	43	43	43	39
65°	22	22	22	22	22	22
75°	11	11	11	11	11	12
85°	2	2	2	2	2	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3281.2	3281.2	3281.2	3281.2	3281.2
1°	3274.8	3271.6	3274.8	3279.6	3273.2
2°	3252.5	3249.3	3249.3	3255.7	3249.3
3°	3209.4	3212.6	3211.0	3217.4	3206.2
4°	3155.2	3153.6	3160.0	3163.2	3153.6
5°	3094.6	3088.2	3086.7	3094.6	3085.1
6°	3011.7	3006.9	3003.7	3013.3	3000.6
7°	2922.4	2919.2	2914.5	2917.7	2908.1
8°	2812.4	2810.8	2807.6	2810.8	2799.7
9°	2689.7	2689.7	2696.0	2694.4	2688.1
10°	2570.1	2573.3	2570.1	2573.3	2560.5
11°	2436.2	2436.2	2439.3	2437.8	2439.3
12°	2319.8	2307.0	2303.8	2300.6	2291.1
13°	2169.9	2160.3	2157.1	2160.3	2155.6
14°	2032.8	2026.4	2010.5	2013.7	2007.3
15°	1878.1	1884.5	1873.4	1873.4	1862.2
17.5°	1535.4	1529.0	1532.2	1533.8	1529.0
20°	1222.9	1219.7	1216.5	1213.3	1218.1
22.5°	950.2	951.8	948.6	945.4	942.3
25°	727.0	725.4	725.4	725.4	728.6
27.5°	551.6	551.6	551.6	553.2	553.2
30°	417.7	414.5	417.7	419.3	419.3
32.5°	312.5	315.7	317.3	317.3	317.3
35°	242.3	240.7	242.3	243.9	243.9
37.5°	184.9	184.9	186.5	186.5	188.1
40°	143.5	143.5	143.5	145.1	146.7
42.5°	113.2	113.2	114.8	114.8	116.4
45°	90.9	90.9	92.5	92.5	92.5
47.5°	73.3	73.3	74.9	74.9	74.9
50°	60.6	60.6	60.6	60.6	60.6
52.5°	51.0	49.4	51.0	51.0	51.0
55°	41.5	43.0	43.0	43.0	43.0
57.5°	35.1	36.7	36.7	36.7	36.7
60°	30.3	30.3	30.3	31.9	31.9
62.5°	25.5	27.1	27.1	27.1	27.1
65°	22.3	22.3	22.3	22.3	22.3
67.5°	19.1	19.1	19.1	19.1	20.7
70°	15.9	15.9	17.5	17.5	17.5
72.5°	14.3	14.3	14.3	14.3	14.3
75°	11.2	11.2	11.2	11.2	11.2
77.5°	8.0	8.0	9.6	9.6	8.0
80°	6.4	6.4	6.4	6.4	6.4
82.5°	4.8	4.8	4.8	4.8	4.8
85°	1.6	1.6	1.6	1.6	1.6
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)