

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: P1319350

Luminaire Tested: LDSQA3D17R209835DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319350
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: LDSQA3D17R209835DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

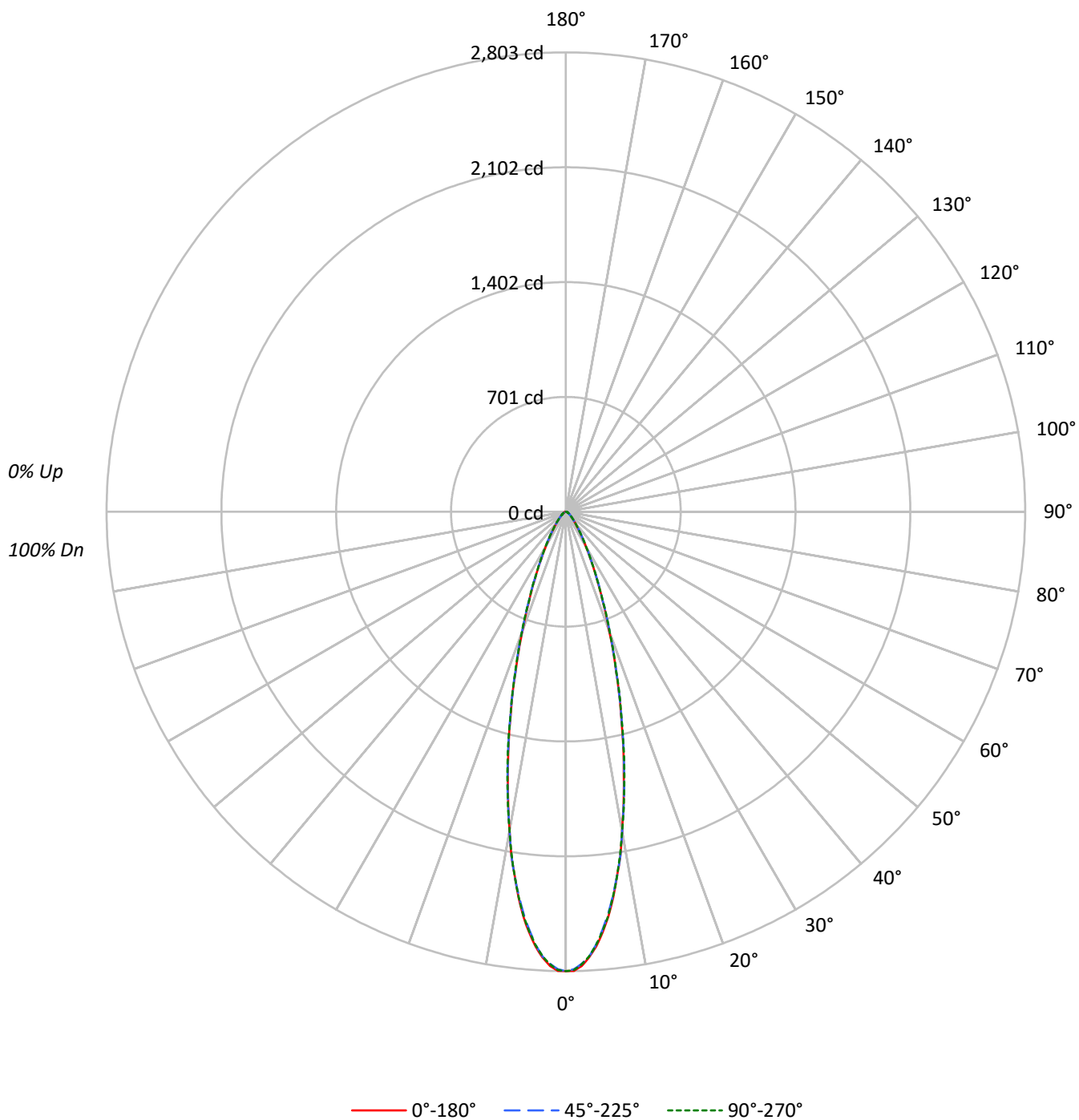
Lumens per Lamp: N/A
Luminaire Lumens: 985.0 lumens
Efficiency: N/A
Efficacy: 48.3 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	482723	482723	482723
5°	445340	442782	444268
10°	345579	346016	346016
15°	233588	234676	234676
20°	141855	143651	144329
25°	83213	84372	84144
30°	48543	49518	49756
35°	29666	30422	30422
40°	19312	19582	19852
45°	13444	13737	14053
50°	9860	10181	10181
55°	7747	8107	8107
60°	6751	6751	7199
65°	5990	5990	6479
70°	5539	5539	5539
75°	4924	4924	4924
80°	3670	3670	4860
85°	2371	2371	4940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 14053 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.0	22.9
10°-20°	362.0	36.7
20°-30°	209.6	21.3
30°-40°	94.0	9.5
40°-50°	44.6	4.5
50°-60°	24.4	2.5
60°-70°	14.8	1.5
70°-80°	7.9	0.8
80°-90°	1.7	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°	797.6	81.0
0°-40°	891.6	90.5
0°-60°	960.5	97.5
0°-90°	985.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	985.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2803	2803	2803	2803	2803	
5°	2576	2567	2561	2566	2570	227
15°	1310	1310	1316	1310	1316	361
25°	438	438	444	440	443	207
35°	141	142	145	146	145	92
45°	55	55	56	56	58	44
55°	26	26	27	27	27	24
65°	15	15	15	15	16	15
75°	7	7	7	7	7	8
85°	1	1	1	1	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2802.9	2802.9	2802.9	2802.9	2802.9
1°	2801.7	2794.3	2791.8	2789.4	2796.8
2°	2773.4	2764.9	2760.0	2762.4	2763.6
3°	2723.2	2718.2	2718.2	2714.6	2717.0
4°	2658.1	2648.3	2648.3	2649.6	2649.6
5°	2576.0	2567.4	2561.2	2566.1	2569.8
6°	2484.0	2472.9	2468.0	2469.2	2477.8
7°	2371.1	2356.4	2358.8	2365.0	2365.0
8°	2243.5	2242.3	2244.8	2242.3	2244.8
9°	2125.8	2108.6	2123.3	2111.1	2117.2
10°	1976.1	1974.9	1978.6	1982.3	1978.6
12.5°	1635.1	1641.3	1643.7	1638.8	1649.8
15°	1310.1	1310.1	1316.2	1310.1	1316.2
17.5°	1019.3	1018.1	1023.0	1018.1	1025.5
20°	774.0	782.6	783.8	783.8	787.5
22.5°	583.9	583.9	588.8	590.0	587.6
25°	437.9	437.9	444.0	440.4	442.8
27.5°	323.8	326.3	331.2	333.6	333.6
30°	244.1	245.3	249.0	250.2	250.2
32.5°	184.0	186.5	188.9	190.1	191.4
35°	141.1	142.3	144.7	146.0	144.7
37.5°	107.9	109.2	111.6	112.9	112.9
40°	85.9	85.9	87.1	88.3	88.3
42.5°	67.5	68.7	68.7	69.9	69.9
45°	55.2	55.2	56.4	56.4	57.7
47.5°	44.2	44.2	45.4	46.6	46.6
50°	36.8	36.8	38.0	38.0	38.0
52.5°	30.7	30.7	31.9	31.9	31.9
55°	25.8	25.8	27.0	27.0	27.0
57.5°	22.1	22.1	23.3	23.3	23.3
60°	19.6	19.6	19.6	19.6	20.9
62.5°	17.2	17.2	17.2	17.2	17.2
65°	14.7	14.7	14.7	14.7	15.9
67.5°	12.3	12.3	12.3	12.3	13.5
70°	11.0	11.0	11.0	11.0	11.0
72.5°	8.6	8.6	8.6	9.8	9.8
75°	7.4	7.4	7.4	7.4	7.4
77.5°	6.1	6.1	6.1	6.1	6.1
80°	3.7	3.7	3.7	4.9	4.9
82.5°	2.5	2.5	2.5	2.5	2.5
85°	1.2	1.2	1.2	1.2	2.5
87.5°	0.0	0.0	0.0	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)