

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: P1311937

Luminaire Tested: LDSQA3D24R309040D010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311937
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: LDSQA3D24R309040D010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

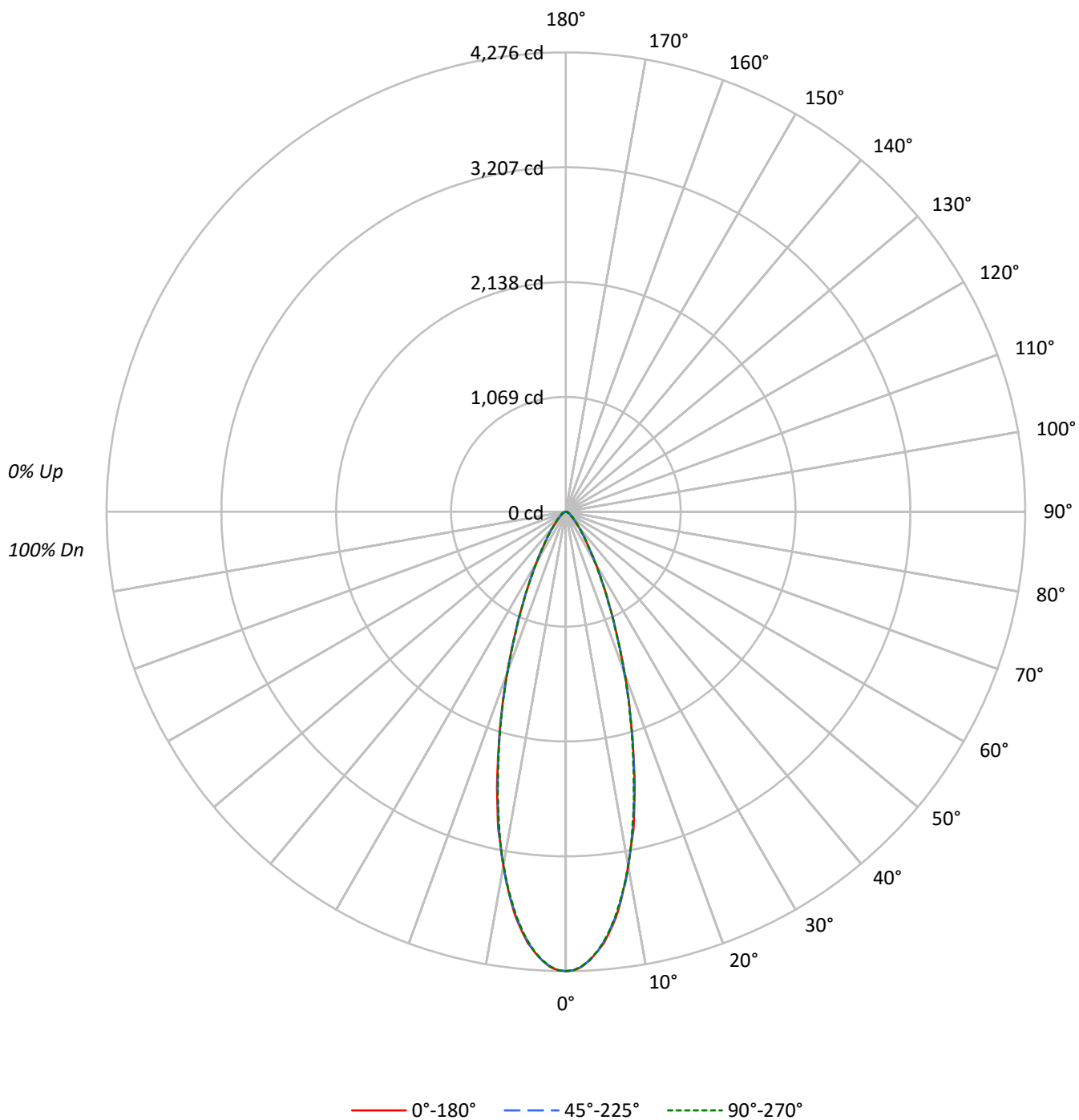
Lumens per Lamp: N/A
Luminaire Lumens: 1878.0 lumens
Efficiency: N/A
Efficacy: 65.2 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	736458	736458	736458
5°	697244	695446	695083
10°	585759	585759	583573
15°	436420	435315	432711
20°	292086	290565	290950
25°	180050	179651	180449
30°	108262	108262	108680
35°	66395	66395	66837
40°	42041	42041	42986
45°	28837	29349	29349
50°	21167	21167	21167
55°	16214	16845	16845
60°	13606	13606	14329
65°	11859	11859	11859
70°	10474	11531	11531
75°	9649	9649	9649
80°	8232	8232	8232
85°	4150	4150	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 29349 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.5	19.3
10°-20°	669.3	35.6
20°-30°	445.0	23.7
30°-40°	205.7	11.0
40°-50°	95.5	5.1
50°-60°	51.0	2.7
60°-70°	29.8	1.6
70°-80°	15.8	0.8
80°-90°	3.4	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°	1476.8	78.6
0°-40°	1682.5	89.6
0°-60°	1829.1	97.4
0°-90°	1878.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1878.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4276	4276	4276	4276	4276	
5°	4033	4025	4023	4033	4021	363
15°	2448	2456	2442	2442	2427	671
25°	948	945	945	945	950	446
35°	316	314	316	318	318	205
45°	118	118	120	120	120	95
55°	54	56	56	56	56	50
65°	29	29	29	29	29	29
75°	14	14	14	14	14	15
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°	4276.2	4276.2	4276.2	4276.2	4276.2
1°	4267.9	4263.7	4267.9	4274.1	4265.8
2°	4238.8	4234.7	4234.7	4243.0	4234.7
3°	4182.7	4186.9	4184.8	4193.1	4178.6
4°	4112.1	4110.0	4118.3	4122.5	4110.0
5°	4033.1	4024.8	4022.7	4033.1	4020.6
6°	3925.1	3918.8	3914.7	3927.1	3910.5
7°	3808.7	3804.5	3798.3	3802.5	3790.0
8°	3665.3	3663.2	3659.1	3663.2	3648.7
9°	3505.3	3505.3	3513.6	3511.6	3503.3
10°	3349.5	3353.6	3349.5	3353.6	3337.0
11°	3175.0	3175.0	3179.1	3177.0	3179.1
12°	3023.3	3006.6	3002.5	2998.3	2985.9
13°	2828.0	2815.5	2811.3	2815.5	2809.3
14°	2649.3	2640.9	2620.2	2624.3	2616.0
15°	2447.7	2456.0	2441.5	2441.5	2426.9
17.5°	2001.0	1992.7	1996.8	1998.9	1992.7
20°	1593.7	1589.6	1585.4	1581.2	1587.5
22.5°	1238.4	1240.5	1236.3	1232.2	1228.0
25°	947.5	945.4	945.4	945.4	949.6
27.5°	718.9	718.9	718.9	721.0	721.0
30°	544.4	540.2	544.4	546.5	546.5
32.5°	407.3	411.4	413.5	413.5	413.5
35°	315.8	313.8	315.8	317.9	317.9
37.5°	241.0	241.0	243.1	243.1	245.2
40°	187.0	187.0	187.0	189.1	191.2
42.5°	147.5	147.5	149.6	149.6	151.7
45°	118.4	118.4	120.5	120.5	120.5
47.5°	95.6	95.6	97.7	97.7	97.7
50°	79.0	79.0	79.0	79.0	79.0
52.5°	66.5	64.4	66.5	66.5	66.5
55°	54.0	56.1	56.1	56.1	56.1
57.5°	45.7	47.8	47.8	47.8	47.8
60°	39.5	39.5	39.5	41.6	41.6
62.5°	33.2	35.3	35.3	35.3	35.3
65°	29.1	29.1	29.1	29.1	29.1
67.5°	24.9	24.9	24.9	24.9	27.0
70°	20.8	20.8	22.9	22.9	22.9
72.5°	18.7	18.7	18.7	18.7	18.7
75°	14.5	14.5	14.5	14.5	14.5
77.5°	10.4	10.4	12.5	12.5	10.4
80°	8.3	8.3	8.3	8.3	8.3
82.5°	6.2	6.2	6.2	6.2	6.2
85°	2.1	2.1	2.1	2.1	2.1
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)