

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: P1313012

Luminaire Tested: LDSQA3D24R309050D010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313012
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: LDSQA3D24R309050D010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

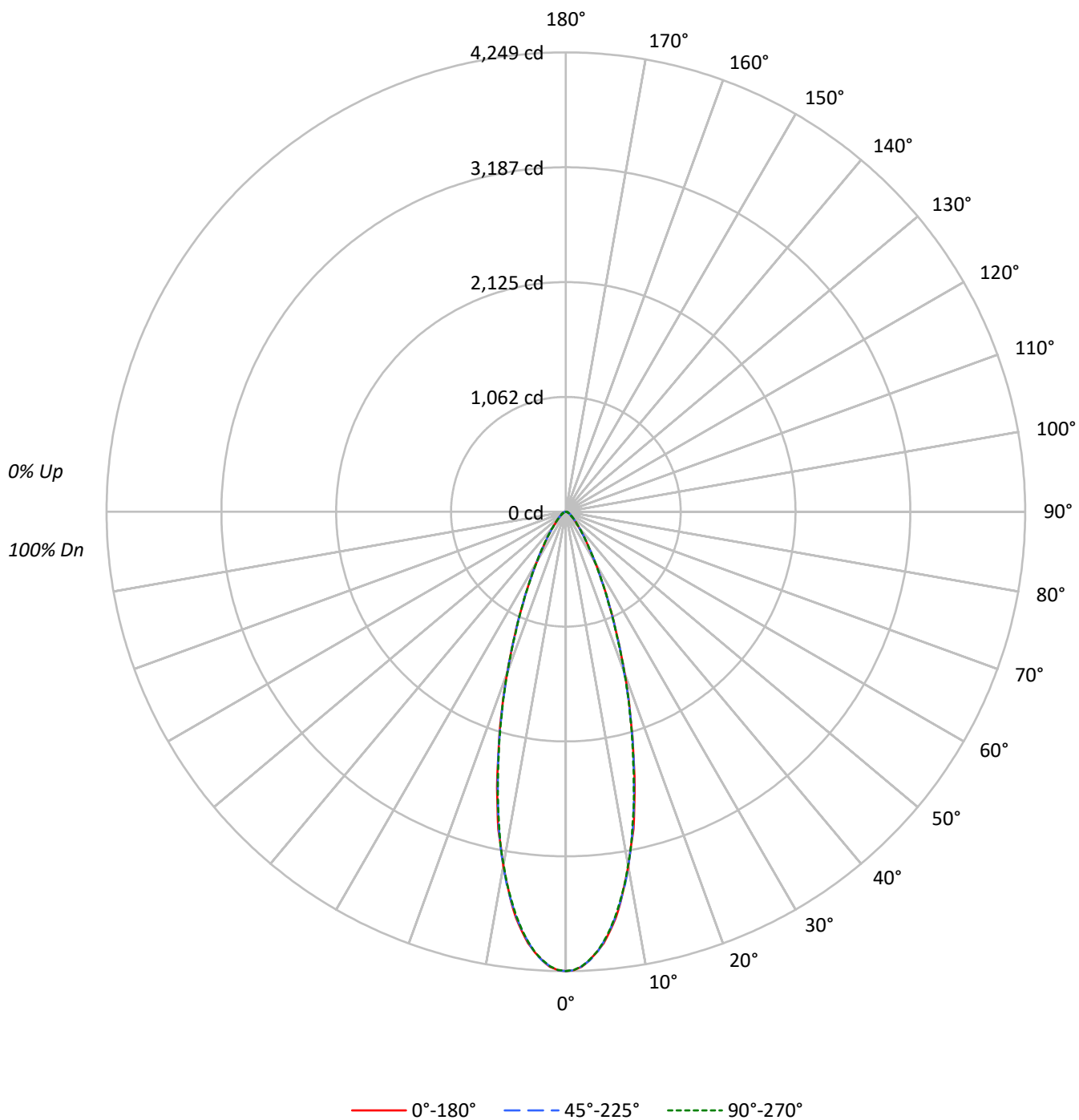
Lumens per Lamp: N/A
Luminaire Lumens: 1866.0 lumens
Efficiency: N/A
Efficacy: 64.8 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	731757	731757	731757
5°	692784	691003	690640
10°	582016	582016	579848
15°	433639	432533	429948
20°	290217	288714	289080
25°	178891	178511	179290
30°	107566	107566	107984
35°	65975	65975	66416
40°	41772	41772	42693
45°	28667	29154	29154
50°	21033	21033	21033
55°	16124	16725	16725
60°	13502	13502	14226
65°	11777	11777	11777
70°	10373	11430	11430
75°	9649	9649	9649
80°	8232	8232	8232
85°	4150	4150	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 29154 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.2	19.3
10°-20°	665.1	35.6
20°-30°	442.1	23.7
30°-40°	204.4	11.0
40°-50°	94.9	5.1
50°-60°	50.7	2.7
60°-70°	29.6	1.6
70°-80°	15.7	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°	1467.4	78.6
0°-40°	1671.8	89.6
0°-60°	1817.4	97.4
0°-90°	1866.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1866.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4249	4249	4249	4249	4249	
5°	4007	3999	3997	4007	3995	360
15°	2432	2440	2426	2426	2411	667
25°	941	939	939	939	944	443
35°	314	312	314	316	316	203
45°	118	118	120	120	120	94
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°	4248.9	4248.9	4248.9	4248.9	4248.9
1°	4240.6	4236.5	4240.6	4246.8	4238.6
2°	4211.7	4207.6	4207.6	4215.9	4207.6
3°	4156.0	4160.1	4158.0	4166.3	4151.9
4°	4085.8	4083.7	4092.0	4096.1	4083.7
5°	4007.3	3999.1	3997.0	4007.3	3994.9
6°	3900.0	3893.8	3889.7	3902.0	3885.5
7°	3784.4	3780.2	3774.0	3778.2	3765.8
8°	3641.9	3639.8	3635.7	3639.8	3625.4
9°	3482.9	3482.9	3491.2	3489.1	3480.9
10°	3328.1	3332.2	3328.1	3332.2	3315.7
11°	3154.7	3154.7	3158.8	3156.7	3158.8
12°	3004.0	2987.4	2983.3	2979.2	2966.8
13°	2809.9	2797.5	2793.4	2797.5	2791.3
14°	2632.3	2624.1	2603.4	2607.6	2599.3
15°	2432.1	2440.3	2425.9	2425.9	2411.4
17.5°	1988.2	1979.9	1984.1	1986.1	1979.9
20°	1583.5	1579.4	1575.3	1571.1	1577.3
22.5°	1230.5	1232.5	1228.4	1224.3	1220.2
25°	941.4	939.4	939.4	939.4	943.5
27.5°	714.3	714.3	714.3	716.4	716.4
30°	540.9	536.8	540.9	543.0	543.0
32.5°	404.7	408.8	410.8	410.8	410.8
35°	313.8	311.8	313.8	315.9	315.9
37.5°	239.5	239.5	241.6	241.6	243.6
40°	185.8	185.8	185.8	187.9	189.9
42.5°	146.6	146.6	148.6	148.6	150.7
45°	117.7	117.7	119.7	119.7	119.7
47.5°	95.0	95.0	97.0	97.0	97.0
50°	78.5	78.5	78.5	78.5	78.5
52.5°	66.1	64.0	66.1	66.1	66.1
55°	53.7	55.7	55.7	55.7	55.7
57.5°	45.4	47.5	47.5	47.5	47.5
60°	39.2	39.2	39.2	41.3	41.3
62.5°	33.0	35.1	35.1	35.1	35.1
65°	28.9	28.9	28.9	28.9	28.9
67.5°	24.8	24.8	24.8	24.8	26.8
70°	20.6	20.6	22.7	22.7	22.7
72.5°	18.6	18.6	18.6	18.6	18.6
75°	14.5	14.5	14.5	14.5	14.5
77.5°	10.3	10.3	12.4	12.4	10.3
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)