

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: P1320258

Luminaire Tested: LDSQA3D17R309840DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320258
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: LDSQA3D17R309840DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

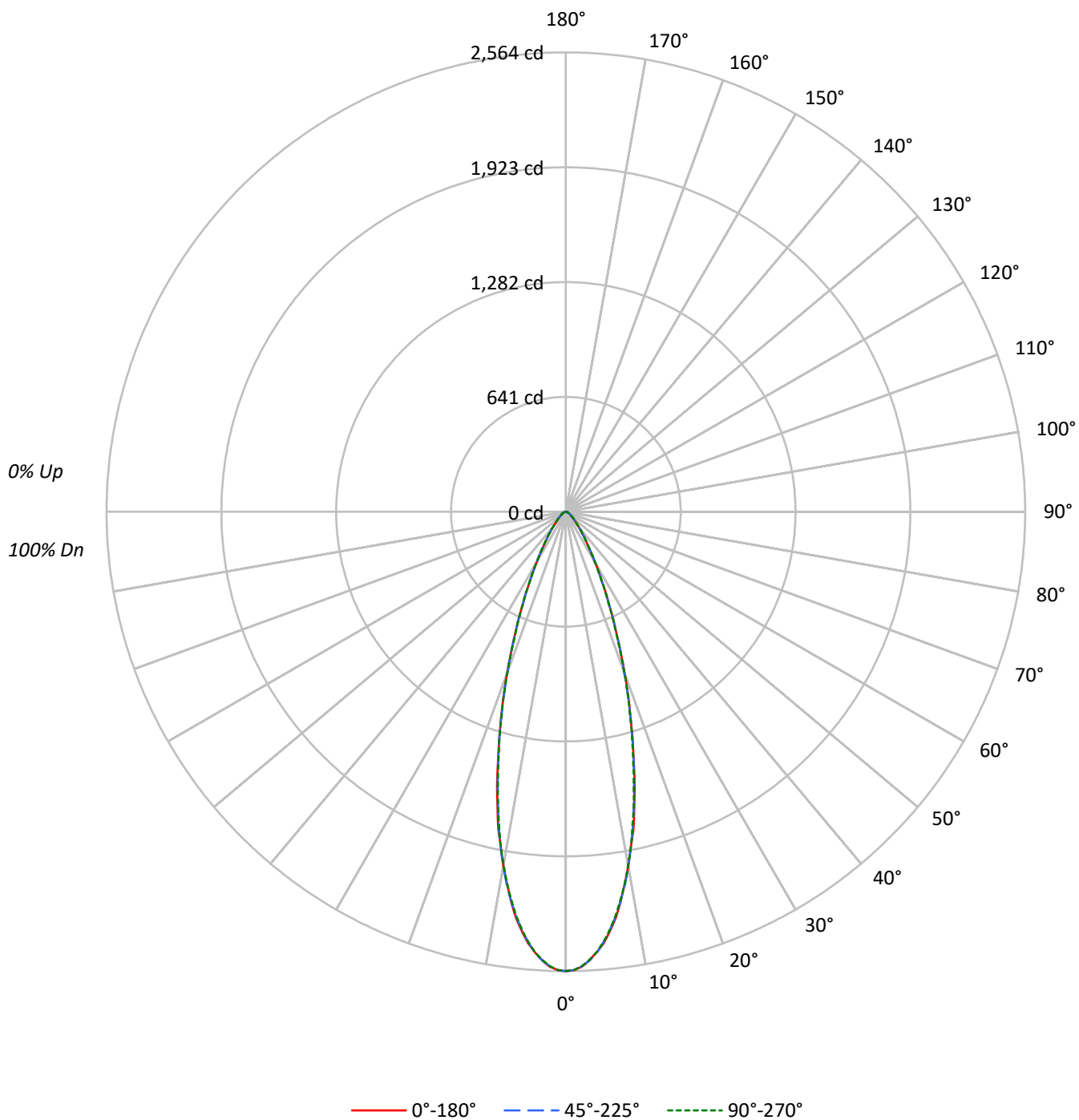
Lumens per Lamp: N/A
Luminaire Lumens: 1126.0 lumens
Efficiency: N/A
Efficacy: 55.2 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	441562	441562	441562
5°	418042	416970	416763
10°	351210	351210	349899
15°	261670	260993	259441
20°	175120	174222	174442
25°	107954	107707	108182
30°	64910	64910	65168
35°	39820	39820	40073
40°	25202	25202	25764
45°	17293	17609	17609
50°	12673	12673	12673
55°	9728	10089	10089
60°	8163	8163	8577
65°	7091	7091	7091
70°	6294	6899	6899
75°	5789	5789	5789
80°	4959	4959	4959
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 17609 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.4	19.3
10°-20°	401.3	35.6
20°-30°	266.8	23.7
30°-40°	123.3	11.0
40°-50°	57.3	5.1
50°-60°	30.6	2.7
60°-70°	17.8	1.6
70°-80°	9.5	0.8
80°-90°	2.0	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°	885.5	78.6
0°-40°	1008.8	89.6
0°-60°	1096.7	97.4
0°-90°	1126.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1126.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2564	2564	2564	2564	2564	
5°	2418	2413	2412	2418	2411	217
15°	1468	1473	1464	1464	1455	403
25°	568	567	567	567	569	267
35°	189	188	189	191	191	123
45°	71	71	72	72	72	57
55°	32	34	34	34	34	30
65°	17	17	17	17	17	17
75°	9	9	9	9	9	9
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2563.9	2563.9	2563.9	2563.9	2563.9
1°	2558.9	2556.4	2558.9	2562.7	2557.7
2°	2541.5	2539.0	2539.0	2544.0	2539.0
3°	2507.8	2510.3	2509.1	2514.1	2505.4
4°	2465.5	2464.2	2469.2	2471.7	2464.2
5°	2418.1	2413.2	2411.9	2418.1	2410.7
6°	2353.4	2349.6	2347.1	2354.6	2344.6
7°	2283.6	2281.1	2277.4	2279.9	2272.4
8°	2197.6	2196.4	2193.9	2196.4	2187.7
9°	2101.7	2101.7	2106.7	2105.4	2100.5
10°	2008.3	2010.8	2008.3	2010.8	2000.8
11°	1903.6	1903.6	1906.1	1904.9	1906.1
12°	1812.7	1802.7	1800.2	1797.7	1790.2
13°	1695.6	1688.1	1685.6	1688.1	1684.4
14°	1588.4	1583.4	1571.0	1573.5	1568.5
15°	1467.6	1472.6	1463.8	1463.8	1455.1
17.5°	1199.7	1194.7	1197.2	1198.5	1194.7
20°	955.5	953.1	950.6	948.1	951.8
22.5°	742.5	743.8	741.3	738.8	736.3
25°	568.1	566.8	566.8	566.8	569.3
27.5°	431.1	431.1	431.1	432.3	432.3
30°	326.4	323.9	326.4	327.7	327.7
32.5°	244.2	246.7	247.9	247.9	247.9
35°	189.4	188.1	189.4	190.6	190.6
37.5°	144.5	144.5	145.8	145.8	147.0
40°	112.1	112.1	112.1	113.4	114.6
42.5°	88.5	88.5	89.7	89.7	90.9
45°	71.0	71.0	72.3	72.3	72.3
47.5°	57.3	57.3	58.6	58.6	58.6
50°	47.3	47.3	47.3	47.3	47.3
52.5°	39.9	38.6	39.9	39.9	39.9
55°	32.4	33.6	33.6	33.6	33.6
57.5°	27.4	28.7	28.7	28.7	28.7
60°	23.7	23.7	23.7	24.9	24.9
62.5°	19.9	21.2	21.2	21.2	21.2
65°	17.4	17.4	17.4	17.4	17.4
67.5°	14.9	14.9	14.9	14.9	16.2
70°	12.5	12.5	13.7	13.7	13.7
72.5°	11.2	11.2	11.2	11.2	11.2
75°	8.7	8.7	8.7	8.7	8.7
77.5°	6.2	6.2	7.5	7.5	6.2
80°	5.0	5.0	5.0	5.0	5.0
82.5°	3.7	3.7	3.7	3.7	3.7
85°	1.2	1.2	1.2	1.2	1.2
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)