

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: P1320248

Luminaire Tested: LDSQA3D17R309840DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320248
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R309840DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

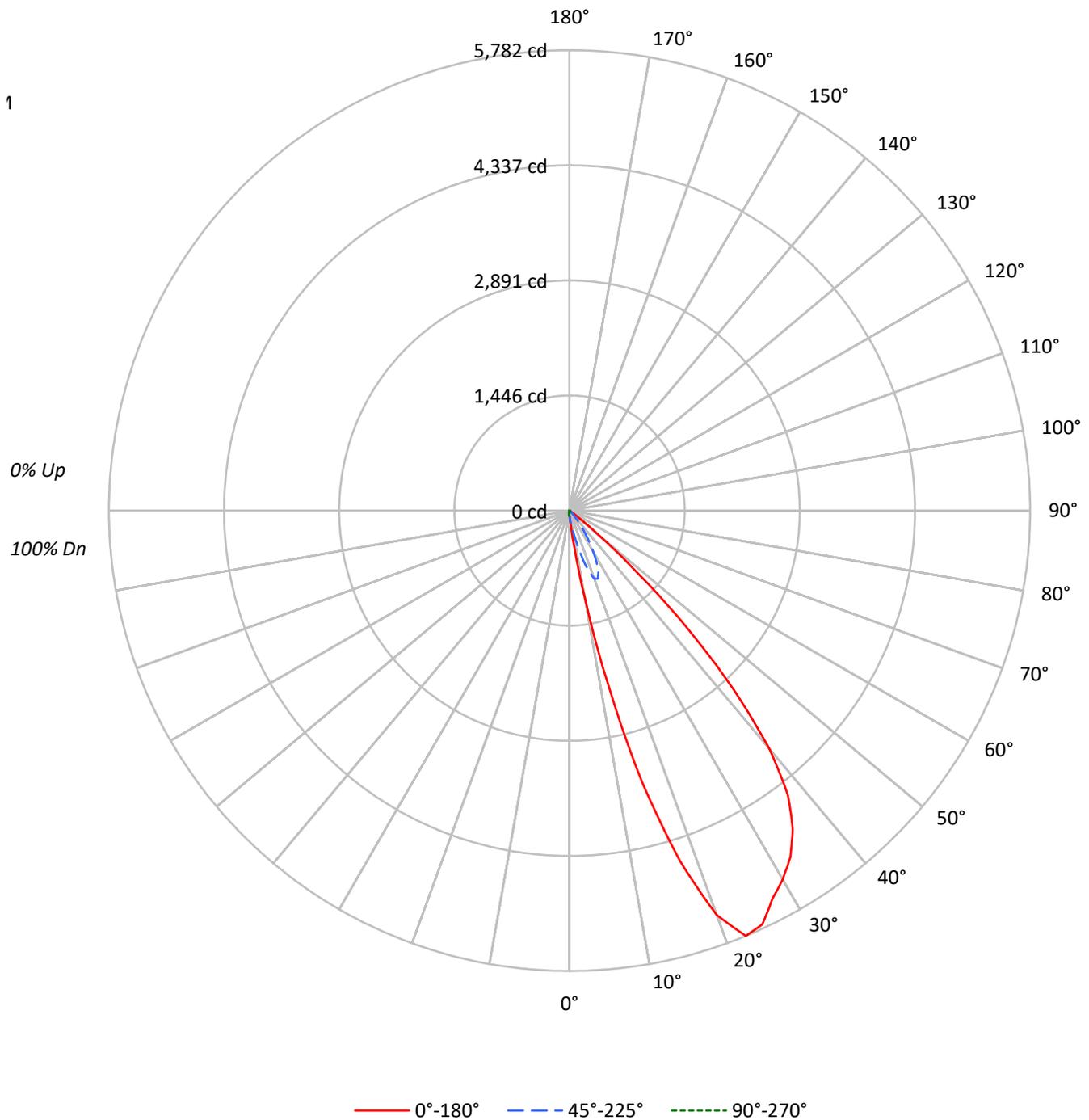
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1362.9 lumens
Efficiency: N/A
Efficacy: 66.8 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
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 (A_{in}): 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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	76	73	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	71	66	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	56	51	47	45
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	52	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	11160	11160	11160	11160	11160
5°	33591	22388	10546	4737	3873
10°	194501	47480	8272	2186	1521
15°	632655	107710	5777	446	214
20°	989981	166634	3647	0	0
25°	1089176	162834	1900	0	0
30°	1063792	117410	736	0	0
35°	1026732	66774	252	0	0
40°	875587	28282	0	0	0
45°	513862	10619	292	0	292
50°	124802	2009	322	322	991
55°	10839	0	751	1111	1501
60°	413	0	861	1274	2136
65°	489	489	1508	1508	2527
70°	604	604	1863	1863	2518
75°	0	799	2462	2462	2462
80°	0	1190	3670	2479	2479
85°	0	2371	7311	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 513862 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.9	0.9
10°-20°	187.3	13.7
20°-30°	476.0	34.9
30°-40°	474.5	34.8
40°-50°	192.2	14.1
50°-60°	13.3	1.0
60°-70°	3.0	0.2
70°-80°	3.0	0.2
80°-90°	1.7	0.1
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°	675.3	49.5
0°-40°	1149.8	84.4
0°-60°	1355.3	99.4
0°-90°	1362.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1362.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	65	65	65	65	65	
5°	194	130	61	27	22	45
15°	3548	604	32	2	1	1033
25°	5732	857	10	0	0	2588
35°	4884	318	1	0	0	2993
45°	2110	44	1	0	1	1610
55°	36	0	2	4	5	94
65°	1	1	4	4	6	1
75°	0	1	4	4	4	0
85°	0	1	4	1	1	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
2.5°	107.1	108.4	108.4	105.9	104.6	104.6	100.9	99.6	95.9	92.2	79.7
5°	194.3	190.6	185.6	185.6	174.4	168.1	159.4	149.5	142.0	129.5	92.2
7.5°	440.9	411.0	402.3	391.1	348.7	315.1	276.5	242.9	211.7	185.6	102.1
10°	1112.2	1053.7	1005.1	906.7	783.4	665.1	555.5	428.4	341.3	271.5	109.6
12.5°	2240.6	2162.1	2068.7	1889.4	1659.0	1363.8	1102.2	823.3	577.9	399.8	112.1
15°	3548.3	3415.1	3269.4	3041.4	2664.1	2240.6	1768.6	1323.9	927.9	604.1	109.6
17.5°	4614.5	4562.2	4346.7	4035.3	3573.3	3027.7	2446.1	1838.3	1251.7	790.9	102.1
20°	5401.6	5365.5	5105.2	4773.9	4253.3	3628.1	2889.5	2159.6	1477.1	909.2	90.9
22.5°	5781.5	5775.2	5587.2	5248.4	4696.7	3988.0	3174.7	2345.2	1546.9	925.4	76.0
25°	5731.7	5754.1	5647.0	5395.4	4866.1	4136.2	3259.4	2345.2	1495.8	856.9	63.5
27.5°	5505.0	5519.9	5452.7	5259.6	4766.4	4029.1	3141.1	2194.5	1347.6	736.1	52.3
30°	5349.3	5355.5	5272.1	5065.3	4542.2	3785.0	2862.1	1915.5	1123.4	590.4	38.6
32.5°	5160.0	5158.7	5061.6	4825.0	4248.3	3442.5	2508.4	1583.0	863.1	448.4	22.4
35°	4883.5	4852.4	4720.3	4447.6	3809.9	2981.7	2056.3	1205.6	621.5	317.6	13.7
37.5°	4503.6	4422.7	4235.8	3870.9	3194.6	2337.7	1524.5	846.9	424.7	210.5	8.7
40°	3894.6	3808.6	3554.6	3111.2	2416.2	1682.6	1027.5	551.7	267.8	125.8	5.0
42.5°	3053.9	2995.4	2652.9	2210.7	1595.4	1073.6	617.8	326.3	150.7	72.2	1.2
45°	2109.8	2033.9	1764.8	1389.9	957.8	595.3	346.2	170.6	85.9	43.6	0.0
47.5°	1164.5	1071.1	915.4	719.9	482.0	312.6	174.4	92.2	48.6	21.2	0.0
50°	465.8	462.1	367.4	261.5	184.3	142.0	87.2	49.8	24.9	7.5	1.2
52.5°	163.2	163.2	140.7	114.6	89.7	64.8	43.6	23.7	8.7	2.5	1.2
55°	36.1	39.9	37.4	34.9	33.6	28.6	18.7	8.7	2.5	0.0	1.2
57.5°	3.7	3.7	3.7	5.0	6.2	6.2	5.0	2.5	0.0	0.0	1.2
60°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	2.5
62.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	1.2	1.2	2.5
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7
75°	0.0	0.0	1.2	1.2	0.0	1.2	1.2	1.2	1.2	1.2	3.7
77.5°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	2.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.5
82.5°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	64.8	64.8	64.8	64.8	64.8
2.5°	64.8	51.1	42.3	37.4	36.1
5°	61.0	38.6	27.4	23.7	22.4
7.5°	54.8	28.6	18.7	14.9	13.7
10°	47.3	21.2	12.5	8.7	8.7
12.5°	39.9	16.2	7.5	3.7	2.5
15°	32.4	10.0	2.5	1.2	1.2
17.5°	24.9	6.2	0.0	0.0	0.0
20°	19.9	2.5	0.0	0.0	0.0
22.5°	14.9	1.2	0.0	0.0	0.0
25°	10.0	0.0	0.0	0.0	0.0
27.5°	6.2	0.0	0.0	0.0	0.0
30°	3.7	0.0	0.0	0.0	0.0
32.5°	1.2	0.0	0.0	0.0	0.0
35°	1.2	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	1.2	0.0	0.0	1.2	1.2
47.5°	1.2	1.2	1.2	2.5	2.5
50°	1.2	1.2	1.2	2.5	3.7
52.5°	2.5	1.2	2.5	3.7	3.7
55°	2.5	2.5	3.7	5.0	5.0
57.5°	2.5	2.5	3.7	5.0	5.0
60°	2.5	2.5	3.7	5.0	6.2
62.5°	3.7	3.7	3.7	5.0	5.0
65°	3.7	3.7	3.7	5.0	6.2
67.5°	3.7	3.7	3.7	5.0	6.2
70°	3.7	3.7	3.7	5.0	5.0
72.5°	5.0	3.7	3.7	5.0	5.0
75°	3.7	3.7	3.7	3.7	3.7
77.5°	3.7	3.7	2.5	3.7	3.7
80°	3.7	2.5	2.5	2.5	2.5
82.5°	3.7	2.5	2.5	2.5	2.5
85°	3.7	2.5	1.2	1.2	1.2
87.5°	3.7	2.5	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)