

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: P1316733

Luminaire Tested: LDSQA3D17R309740DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316733
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: LDSQA3D17R309740DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

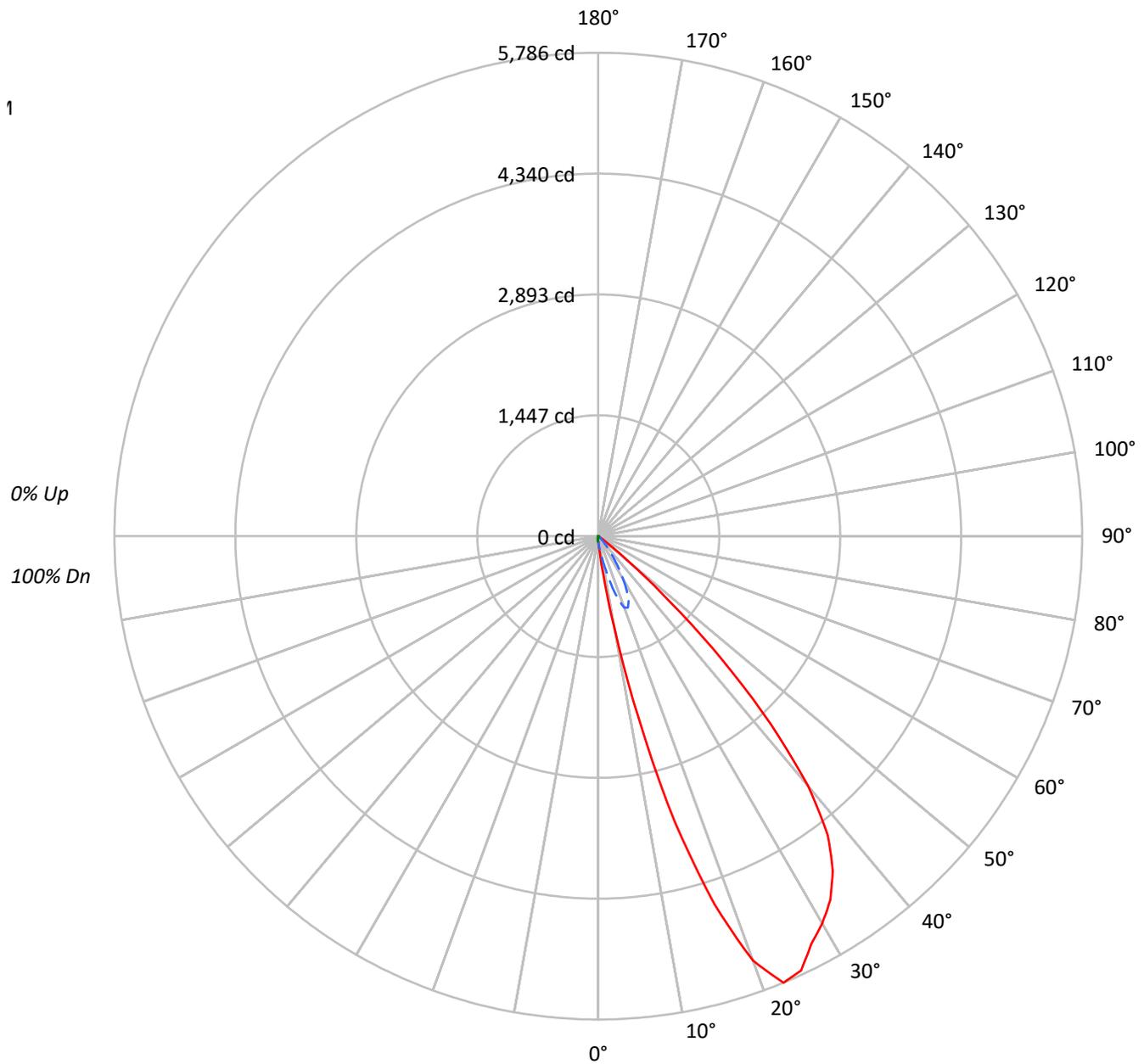
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1363.9 lumens
Efficiency: N/A
Efficacy: 64.3 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): 21.2
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



— 0°-180° - - - 45°-225° ····· 90°-270°



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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	100	100	100	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92	92	92	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83	83	83	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75	75	75	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68	68	68	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61	61	61	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55	55	55	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50	50	50	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45	45	45	45
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41	41	41	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37	37	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	11160	11160	11160	11160	11160
5°	33608	22405	10563	4737	3873
10°	194641	47515	8289	2186	1521
15°	633118	107781	5777	446	214
20°	990714	166762	3647	0	0
25°	1089974	162948	1900	0	0
30°	1064567	117490	736	0	0
35°	1027488	66816	252	0	0
40°	876216	28305	0	0	0
45°	514252	10619	292	0	292
50°	124883	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: 514252 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.9	0.9
10°-20°	187.5	13.7
20°-30°	476.4	34.9
30°-40°	474.8	34.8
40°-50°	192.4	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°	675.8	49.5
0°-40°	1150.6	84.4
0°-60°	1356.2	99.4
0°-90°	1363.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1363.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	65	65	65	65	65	
5°	194	130	61	27	22	45
15°	3551	604	32	2	1	1033
25°	5736	858	10	0	0	2590
35°	4887	318	1	0	0	2996
45°	2111	44	1	0	1	1611
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°	107.2	108.4	108.4	105.9	104.7	104.7	101.0	99.7	96.0	92.2	79.8
5°	194.4	190.7	185.7	185.7	174.5	168.3	159.5	149.6	142.1	129.6	92.2
7.5°	441.2	411.3	402.6	391.4	349.0	315.3	276.7	243.0	211.9	185.7	102.2
10°	1113.0	1054.4	1005.8	907.4	784.0	665.6	555.9	428.8	341.5	271.7	109.7
12.5°	2242.2	2163.7	2070.2	1890.8	1660.2	1364.8	1103.0	823.9	578.3	400.1	112.2
15°	3550.9	3417.6	3271.8	3043.7	2666.0	2242.2	1769.9	1324.9	928.6	604.5	109.7
17.5°	4617.9	4565.5	4349.9	4038.3	3575.9	3030.0	2447.9	1839.7	1252.6	791.5	102.2
20°	5405.6	5369.4	5108.9	4777.4	4256.4	3630.7	2891.6	2161.2	1478.2	909.9	91.0
22.5°	5785.7	5779.5	5591.3	5252.3	4700.1	3990.9	3177.0	2346.9	1548.0	926.1	76.0
25°	5735.9	5758.3	5651.1	5399.3	4869.6	4139.2	3261.8	2346.9	1496.9	857.5	63.6
27.5°	5509.0	5524.0	5456.7	5263.5	4769.9	4032.1	3143.4	2196.1	1348.6	736.6	52.3
30°	5353.2	5359.4	5275.9	5069.0	4545.6	3787.8	2864.2	1916.9	1124.2	590.8	38.6
32.5°	5163.8	5162.5	5065.3	4828.5	4251.4	3445.0	2510.2	1584.2	863.7	448.7	22.4
35°	4887.1	4855.9	4723.8	4450.8	3812.7	2983.8	2057.8	1206.5	621.9	317.8	13.7
37.5°	4506.9	4425.9	4239.0	3873.8	3197.0	2339.5	1525.6	847.5	425.0	210.6	8.7
40°	3897.4	3811.4	3557.2	3113.5	2418.0	1683.9	1028.3	552.1	268.0	125.9	5.0
42.5°	3056.1	2997.6	2654.8	2212.3	1596.6	1074.4	618.2	326.6	150.8	72.3	1.2
45°	2111.4	2035.3	1766.1	1391.0	958.5	595.8	346.5	170.8	86.0	43.6	0.0
47.5°	1165.4	1071.9	916.1	720.4	482.4	312.8	174.5	92.2	48.6	21.2	0.0
50°	466.1	462.4	367.7	261.7	184.5	142.1	87.2	49.9	24.9	7.5	1.2
52.5°	163.3	163.3	140.8	114.7	89.7	64.8	43.6	23.7	8.7	2.5	1.2
55°	36.1	39.9	37.4	34.9	33.7	28.7	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	42.4	37.4	36.1
5°	61.1	38.6	27.4	23.7	22.4
7.5°	54.8	28.7	18.7	15.0	13.7
10°	47.4	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°	15.0	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)