

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: P1316171

Luminaire Tested: LDSQA3D02R659740DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316171
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R659740DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

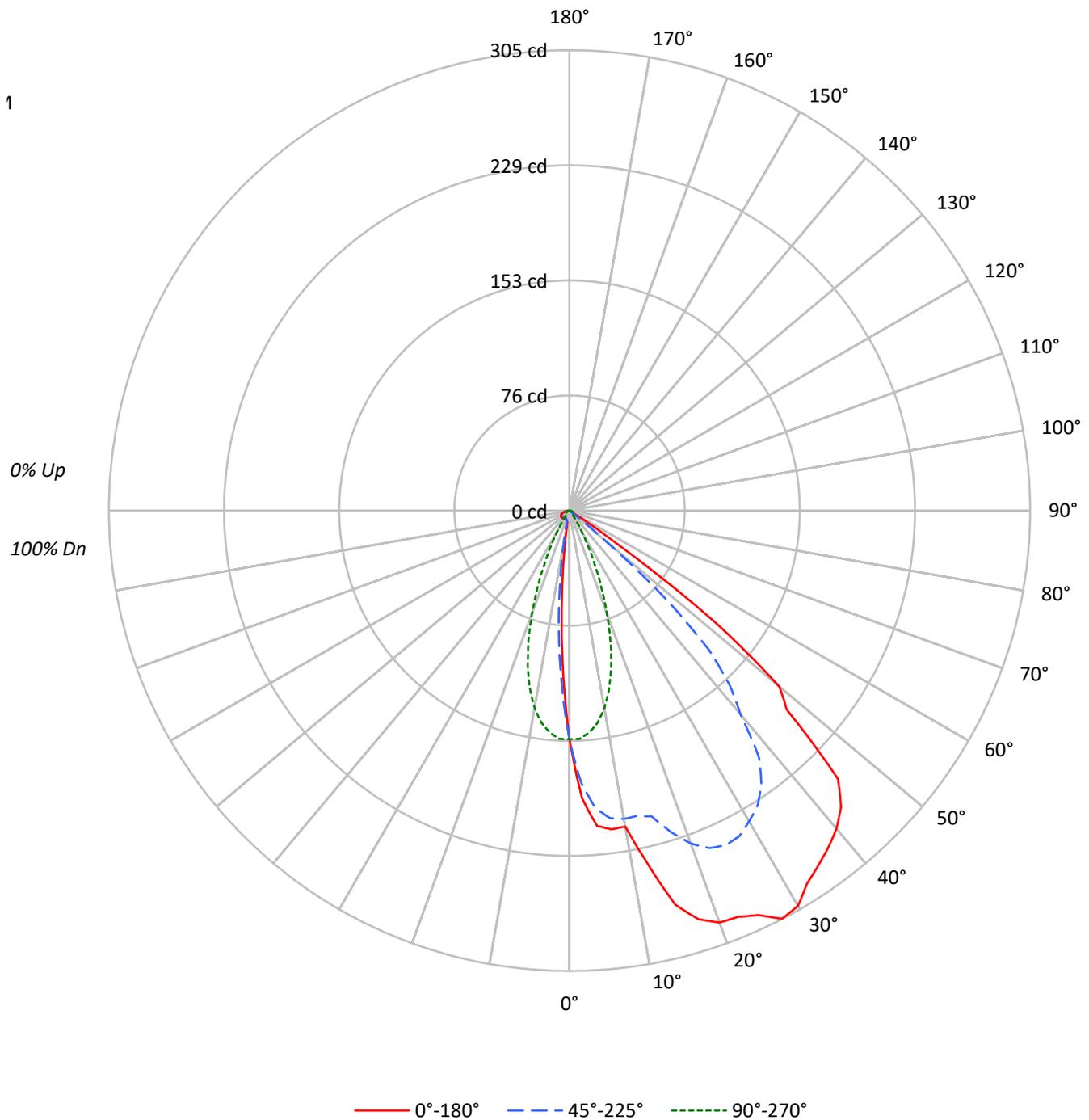
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 227.0 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	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	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90	
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	85	83	81	
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	81	77	74	72	
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65	
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58	
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	63	58	54	53	
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	53	49	48	
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	49	45	43	
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	40	
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	42	38	36	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	26075	26075	26075	26075	26075
5°	36253	34213	25534	14021	9871
10°	37162	36270	23224	3917	1451
15°	48158	37389	19007	1266	1212
20°	53223	43015	13232	1118	1173
25°	56172	46481	7487	1083	1159
30°	60137	47290	3381	1074	1213
35°	60361	46569	1093	1135	1346
40°	61848	39568	742	1214	1484
45°	61255	31882	755	1315	1607
50°	48603	7529	750	1447	1822
55°	11560	420	781	1621	2042
60°	413	482	896	1722	2204
65°	489	489	856	1834	2404
70°	352	453	856	1762	2518
75°	333	466	799	1863	2529
80°	198	496	893	1884	2579
85°	395	988	988	1778	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 61353 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.6	5.6
10°-20°	33.3	14.7
20°-30°	52.3	23.0
30°-40°	59.8	26.3
40°-50°	48.1	21.2
50°-60°	15.6	6.9
60°-70°	2.8	1.2
70°-80°	1.8	0.8
80°-90°	0.7	0.3
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°	98.2	43.3
0°-40°	158.0	69.6
0°-60°	221.7	97.7
0°-90°	227.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	227.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	151	151	151	151	151	
5°	210	198	148	81	57	20
15°	270	210	107	7	7	75
25°	296	245	39	6	6	138
35°	287	222	5	5	6	180
45°	252	131	3	5	7	181
55°	38	1	3	5	7	55
65°	1	1	2	4	6	1
75°	0	1	1	3	4	1
85°	0	0	0	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°	50°
0°	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4
2.5°	190.6	189.9	190.8	189.2	189.0	187.3	186.4	185.9	183.8	180.9	178.3
5°	209.7	206.9	207.6	207.4	206.2	205.5	204.5	203.3	200.5	197.9	194.6
7.5°	213.0	210.7	211.1	211.4	210.7	210.4	210.2	209.7	207.8	205.5	202.6
10°	212.5	210.2	210.0	209.2	208.5	208.8	208.8	208.8	208.3	207.4	206.4
12.5°	239.9	236.6	235.9	230.9	226.5	218.7	213.7	209.0	206.9	207.1	206.4
15°	270.1	269.9	267.5	262.8	255.2	248.2	236.8	228.4	217.5	209.7	206.4
17.5°	283.8	283.6	281.4	277.4	272.0	265.4	257.1	247.2	235.2	223.2	213.3
20°	290.4	292.0	289.7	286.4	281.2	275.1	267.3	258.3	247.0	234.7	222.9
22.5°	291.3	293.5	291.3	289.0	285.2	281.2	274.6	265.4	253.8	242.0	230.5
25°	295.6	296.3	291.8	288.7	285.2	282.4	277.2	269.2	257.4	244.6	233.3
27.5°	304.8	301.7	292.3	288.0	284.7	282.1	277.2	268.9	256.2	243.2	231.4
30°	302.4	301.2	293.0	289.0	286.1	283.6	277.4	266.8	251.5	237.8	225.5
32.5°	292.8	295.1	292.3	290.9	289.4	286.1	277.2	262.8	245.6	231.7	215.1
35°	287.1	289.9	290.2	290.2	288.5	283.6	272.9	256.9	239.7	221.5	199.3
37.5°	281.4	283.8	285.2	286.1	283.8	276.7	263.3	248.9	230.0	206.2	167.3
40°	275.1	276.7	277.9	278.4	274.8	265.6	253.4	237.1	215.8	176.0	149.3
42.5°	266.1	267.0	266.8	266.6	262.8	252.6	241.1	224.1	182.1	156.9	124.6
45°	251.5	250.5	251.9	251.9	247.0	239.4	224.1	191.1	163.0	130.9	80.2
47.5°	194.9	195.6	202.4	213.5	220.3	218.2	197.4	167.3	137.1	85.9	26.7
50°	181.4	180.7	180.9	182.1	182.8	176.9	162.1	141.3	90.6	28.1	1.9
52.5°	121.7	122.4	127.9	140.4	144.4	140.1	126.0	94.4	33.0	1.9	1.7
55°	38.5	41.0	44.1	50.7	62.3	69.6	68.2	33.5	2.1	1.4	1.7
57.5°	1.4	1.4	1.9	3.3	6.4	10.4	10.9	2.1	1.7	1.7	1.7
60°	1.2	1.2	1.2	1.2	1.2	1.2	1.4	1.4	1.4	1.4	1.4
62.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.4	1.4	1.4	1.4
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.4
67.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.2	1.2	1.2	1.2
70°	0.7	0.7	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.2
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9	0.9	0.9
75°	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.7
80°	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	151.4	151.4	151.4	151.4	151.4	151.4	151.4	151.4
2.5°	176.9	174.1	168.4	151.4	133.8	116.1	105.0	102.1
5°	190.8	187.5	179.5	147.7	111.8	81.1	63.7	57.1
7.5°	199.3	195.3	185.9	141.8	87.0	47.2	28.3	22.6
10°	203.1	199.6	189.0	132.8	63.0	22.4	9.9	8.3
12.5°	204.8	201.9	190.1	121.0	41.0	9.9	7.3	7.1
15°	205.5	202.4	189.7	106.6	23.4	7.1	6.8	6.8
17.5°	206.2	202.6	186.8	90.1	13.0	6.6	6.4	6.6
20°	211.8	201.7	181.9	72.2	8.5	6.1	6.1	6.4
22.5°	217.5	201.5	173.1	55.2	6.6	5.9	6.1	6.1
25°	219.4	199.1	162.1	39.4	5.7	5.7	5.9	6.1
27.5°	215.8	192.3	147.2	26.7	5.0	5.7	5.9	6.1
30°	207.6	180.7	129.3	17.0	4.7	5.4	5.9	6.1
32.5°	192.3	157.8	109.2	10.1	4.5	5.4	6.1	6.1
35°	161.6	132.3	86.6	5.2	4.5	5.4	6.1	6.4
37.5°	141.3	110.4	60.4	3.5	4.5	5.4	6.1	6.4
40°	117.2	79.7	25.2	3.3	4.5	5.4	6.1	6.6
42.5°	81.1	34.7	4.0	3.1	4.2	5.4	6.4	6.6
45°	29.3	4.5	1.9	3.1	4.2	5.4	6.4	6.6
47.5°	2.6	1.7	1.9	3.1	4.2	5.4	6.4	6.8
50°	1.7	1.7	1.7	2.8	4.2	5.4	6.4	6.8
52.5°	1.7	1.7	1.7	2.8	4.0	5.4	6.6	6.8
55°	1.7	1.7	1.7	2.6	4.0	5.4	6.4	6.8
57.5°	1.7	1.7	1.9	2.6	4.0	5.2	6.4	6.6
60°	1.7	1.7	1.7	2.6	3.8	5.0	6.1	6.4
62.5°	1.4	1.7	1.7	2.4	3.5	4.7	5.9	6.1
65°	1.4	1.4	1.7	2.1	3.3	4.5	5.4	5.9
67.5°	1.2	1.4	1.4	1.9	2.8	4.0	5.0	5.4
70°	1.2	1.2	1.2	1.7	2.6	3.5	4.7	5.0
72.5°	0.9	1.2	1.2	1.4	2.1	3.1	4.0	4.5
75°	0.9	0.9	0.9	1.2	1.9	2.8	3.5	3.8
77.5°	0.7	0.7	0.9	0.9	1.7	2.1	3.1	3.3
80°	0.7	0.7	0.7	0.9	1.2	1.9	2.4	2.6
82.5°	0.5	0.5	0.5	0.7	0.9	1.2	1.7	1.9
85°	0.5	0.5	0.5	0.5	0.7	0.9	1.2	1.2
87.5°	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)