

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: P1321001

Luminaire Tested: LDSQA3D02R50B2750DE010 3LSQCA30R 1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1321001
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-65)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R50B2750DE010 3LSQCA30R 1MW_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

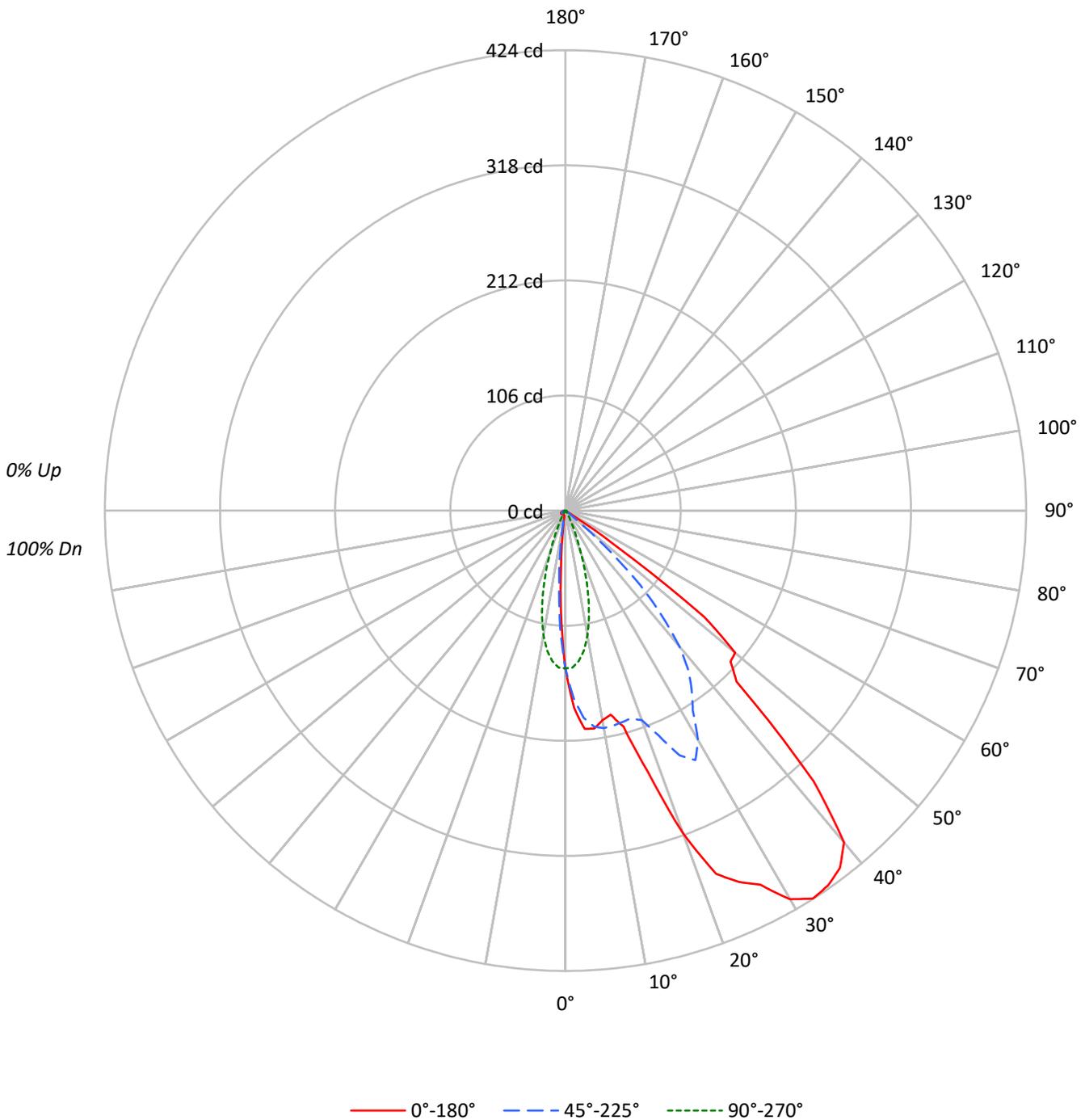
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 226.0 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.54 / 1.2
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 2.9
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	79	68	61	56	78	68	61	55	66	60	55	64	59	55	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	39
10	61	50	42	38	60	49	42	38	48	42	38	47	42	37	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	25024	25024	25024	25024	25024
5°	34887	33107	24048	11566	7503
10°	34259	35570	20321	2431	1049
15°	36729	35945	14371	856	820
20°	58007	37645	7588	733	770
25°	71678	47279	3021	684	760
30°	82171	48483	1233	676	795
35°	88597	42554	547	715	883
40°	89681	36646	405	809	989
45°	54192	23747	390	877	1120
50°	54604	4099	429	1018	1286
55°	16124	240	480	1141	1441
60°	276	276	482	1240	1584
65°	245	245	489	1304	1712
70°	302	302	504	1410	1913
75°	266	266	532	1464	1996
80°	198	397	595	1389	2182
85°	395	790	790	1581	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 61913 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.8	5.2
10°-20°	29.2	12.9
20°-30°	54.7	24.2
30°-40°	65.4	28.9
40°-50°	46.8	20.7
50°-60°	14.4	6.4
60°-70°	1.9	0.8
70°-80°	1.4	0.6
80°-90°	0.6	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°	95.6	42.3
0°-40°	160.9	71.2
0°-60°	222.2	98.3
0°-90°	226.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	226.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	145	145	145	145	145	
5°	202	192	139	67	43	19
15°	206	202	81	5	5	66
25°	377	249	16	4	4	174
35°	421	202	3	3	4	261
45°	222	98	2	4	5	204
55°	54	1	2	4	5	69
65°	1	1	1	3	4	1
75°	0	0	1	2	3	0
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°	145.3	145.3	145.3	145.3	145.3	145.3	145.3	145.3	145.3	145.3	145.3
2.5°	181.7	182.1	182.7	181.1	180.1	179.3	177.9	177.5	174.2	172.8	171.4
5°	201.8	201.4	201.8	201.2	200.8	199.6	198.4	196.5	194.3	191.5	188.3
7.5°	202.4	202.0	202.8	202.8	203.6	203.6	203.6	203.8	202.6	200.6	197.8
10°	195.9	195.9	196.7	196.3	197.6	198.2	199.6	202.0	203.2	203.4	202.6
12.5°	192.5	192.5	192.7	191.9	192.3	192.9	194.5	197.2	200.0	202.8	204.4
15°	206.0	206.4	203.6	199.6	196.7	193.5	192.5	194.3	197.2	201.6	205.2
17.5°	252.0	252.6	249.6	240.0	230.9	217.7	206.0	200.2	197.0	200.6	205.4
20°	316.5	314.3	309.1	299.0	285.6	265.3	247.0	228.5	210.8	205.4	207.0
22.5°	362.1	361.3	357.1	345.7	334.2	315.3	292.0	266.1	240.4	224.1	215.6
25°	377.2	376.6	372.8	366.0	359.7	345.3	324.4	298.4	271.5	248.8	227.3
27.5°	388.5	387.7	381.8	374.2	367.6	353.1	334.0	314.3	289.6	259.0	225.9
30°	413.2	411.0	402.7	389.1	376.6	356.5	335.4	310.9	277.5	243.8	211.6
32.5°	423.6	422.4	415.2	404.2	390.5	364.2	332.2	291.2	247.2	218.1	194.7
35°	421.4	419.6	412.2	399.7	383.0	357.7	314.9	258.6	222.7	202.4	176.0
37.5°	414.8	412.2	403.5	388.7	368.4	335.4	279.5	232.1	209.0	186.1	150.5
40°	398.9	394.7	384.5	369.2	348.9	305.5	247.2	216.2	194.7	163.0	122.0
42.5°	338.0	335.8	340.8	338.2	320.3	269.1	224.3	201.6	172.0	131.8	88.4
45°	222.5	226.3	235.3	250.6	254.2	231.5	205.6	177.7	141.5	97.5	51.0
47.5°	206.0	205.2	207.4	210.4	211.0	201.4	177.9	146.9	105.1	55.7	14.1
50°	203.8	202.6	200.8	197.2	189.7	171.2	144.5	107.1	60.7	15.3	1.0
52.5°	161.0	159.8	159.8	154.7	144.9	127.0	99.7	58.9	16.9	1.0	0.8
55°	53.7	57.3	56.7	56.5	60.9	56.1	43.0	15.1	1.4	0.8	0.8
57.5°	1.0	1.0	1.0	1.8	2.8	4.0	2.4	1.2	0.8	0.8	0.8
60°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
62.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.6	0.6
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6
77.5°	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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°	145.3	145.3	145.3	145.3	145.3	145.3	145.3	145.3
2.5°	168.2	165.4	160.0	144.7	127.8	108.5	95.3	93.7
5°	183.3	179.1	170.4	139.1	100.5	66.9	49.8	43.4
7.5°	193.3	187.7	176.9	130.0	73.2	35.2	18.9	15.1
10°	199.2	194.1	180.3	116.2	46.6	13.9	6.4	6.0
12.5°	202.4	197.4	181.5	99.7	26.3	6.4	5.0	5.0
15°	204.6	199.2	179.7	80.6	13.1	4.8	4.6	4.6
17.5°	205.6	199.0	174.6	60.7	7.0	4.4	4.4	4.4
20°	206.2	196.8	165.0	41.4	4.8	4.0	4.2	4.2
22.5°	206.8	191.5	152.5	26.3	3.8	3.8	4.0	4.0
25°	205.6	182.1	134.7	15.9	3.4	3.6	3.8	4.0
27.5°	197.0	168.0	113.3	9.8	3.0	3.4	3.8	4.0
30°	182.3	147.3	88.4	6.2	2.8	3.4	3.8	4.0
32.5°	163.2	123.6	63.1	3.8	2.8	3.4	3.8	4.0
35°	137.5	94.5	41.0	2.6	2.8	3.4	4.0	4.2
37.5°	108.7	66.1	22.1	2.0	2.8	3.4	4.0	4.2
40°	78.2	39.6	8.0	1.8	2.6	3.6	4.2	4.4
42.5°	45.8	14.7	1.4	1.6	2.6	3.6	4.2	4.4
45°	13.1	1.6	0.8	1.6	2.6	3.6	4.4	4.6
47.5°	1.0	0.6	0.8	1.6	2.6	3.6	4.4	4.8
50°	0.6	0.6	0.6	1.6	2.6	3.8	4.6	4.8
52.5°	0.8	0.8	0.8	1.6	2.6	3.8	4.6	4.8
55°	0.8	0.8	0.8	1.6	2.6	3.8	4.6	4.8
57.5°	0.8	0.8	0.8	1.6	2.6	3.6	4.6	4.8
60°	0.8	0.8	0.8	1.4	2.4	3.6	4.4	4.6
62.5°	0.8	0.8	0.8	1.4	2.4	3.4	4.4	4.4
65°	0.8	0.8	0.8	1.2	2.2	3.2	4.0	4.2
67.5°	0.8	0.8	0.8	1.2	2.0	3.0	3.8	4.0
70°	0.6	0.8	0.8	1.0	1.8	2.8	3.6	3.8
72.5°	0.6	0.6	0.8	1.0	1.6	2.4	3.2	3.4
75°	0.6	0.6	0.6	0.8	1.4	2.2	2.8	3.0
77.5°	0.6	0.6	0.6	0.8	1.2	1.8	2.6	2.6
80°	0.4	0.6	0.6	0.6	1.0	1.4	2.0	2.2
82.5°	0.4	0.4	0.4	0.6	0.8	1.2	1.6	1.6
85°	0.4	0.4	0.4	0.4	0.6	0.8	1.0	1.0
87.5°	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)