

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: P1320808

Luminaire Tested: LDSQA3D02R30B2750DE010 3LSQPHRLD1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320808
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R30B2750DE010 3LSQPHRLD1MW_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 4000K CCT AND, 80CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

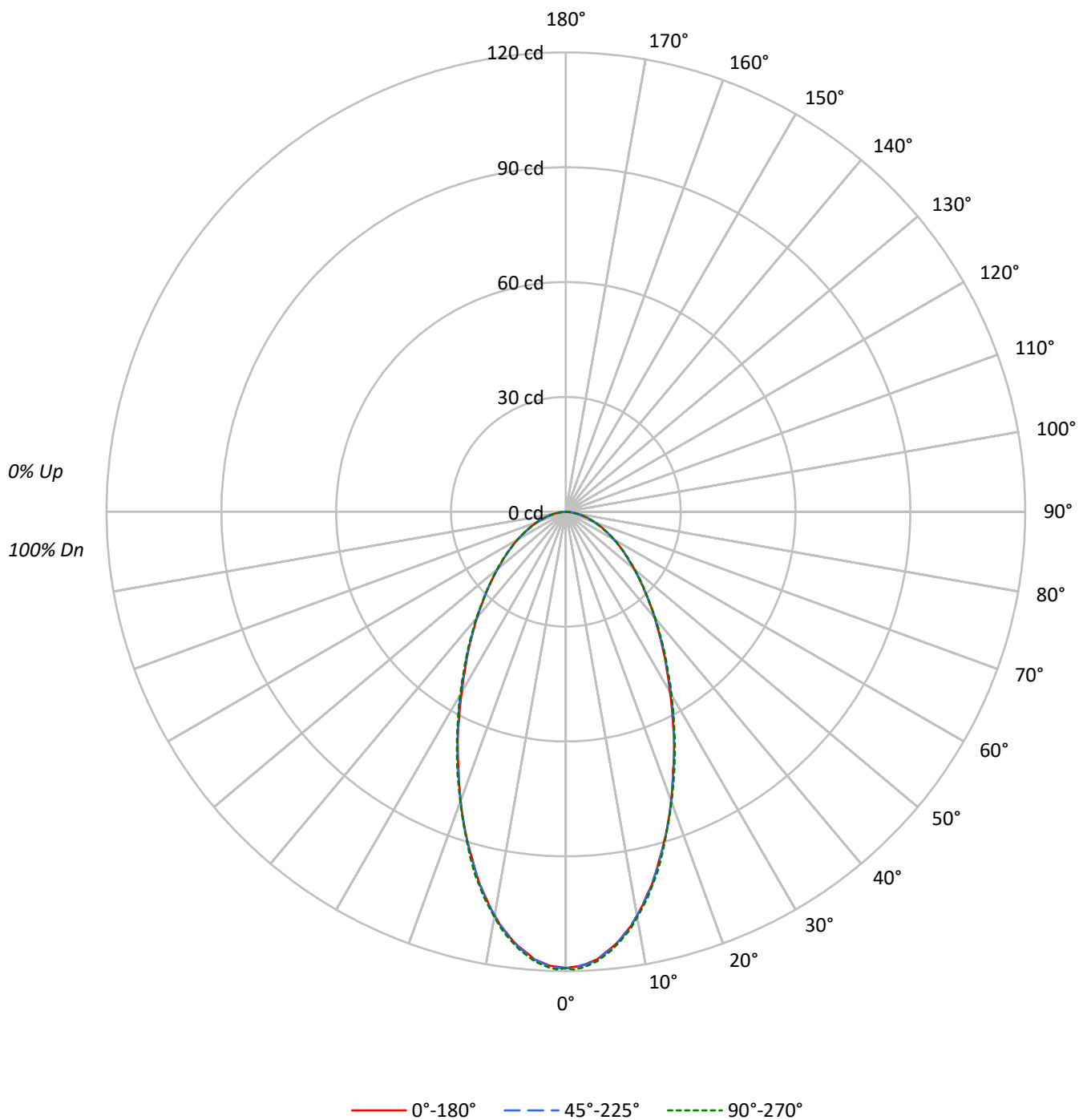
Lumens per Lamp: N/A
Luminaire Lumens: 153.0 lumens
Efficiency: N/A
Efficacy: 52.8 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	86	84
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77	75	72
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	68	66	63
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	60	58	56
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54	52	50
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	49	47	45
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45	43	41
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41	39	37
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38	36	34
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20529	20529	20529
5°	20020	20054	20123
10°	18730	18730	18800
15°	16796	16831	16938
20°	14735	14735	14772
25°	12713	12713	12789
30°	10818	10938	10977
35°	9335	9398	9440
40°	8094	8139	8183
45°	7063	7112	7112
50°	6243	6243	6296
55°	5585	5585	5585
60°	5029	5029	5029
65°	4483	4483	4483
70°	4028	4028	4028
75°	3660	3527	3527
80°	3174	2975	2975
85°	2174	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 7112 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.8	7.1
10°-20°	26.3	17.2
20°-30°	30.7	20.1
30°-40°	28.0	18.3
40°-50°	22.6	14.8
50°-60°	16.7	10.9
60°-70°	11.0	7.2
70°-80°	5.7	3.7
80°-90°	1.3	0.9
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°	67.8	44.3
0°-40°	95.8	62.6
0°-60°	135.0	88.3
0°-90°	153.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	153.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	119	119	119	119	119	
5°	116	116	116	116	116	11
15°	94	94	94	94	95	26
25°	67	67	67	67	67	31
35°	44	44	45	45	45	28
45°	29	29	29	29	29	23
55°	19	18	19	18	19	17
65°	11	11	11	11	11	11
75°	6	5	5	5	5	6
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	119.2	119.2	119.2	119.2	119.2
1°	118.9	118.9	119.2	118.9	119.6
2°	118.7	118.5	118.5	118.5	119.2
3°	117.9	117.9	118.1	117.9	118.5
4°	117.2	117.0	117.2	117.0	117.7
5°	115.8	115.8	116.0	116.0	116.4
6°	114.5	114.5	114.7	114.5	115.1
7°	113.0	113.0	113.0	113.0	113.4
8°	111.1	111.1	111.3	111.3	111.7
9°	109.4	109.2	109.2	109.2	109.8
10°	107.1	107.1	107.1	107.1	107.5
11°	104.8	104.8	104.8	104.8	105.2
12°	102.2	102.2	102.4	102.2	102.9
13°	99.9	99.9	99.9	99.9	100.3
14°	97.1	96.9	97.1	97.1	97.8
15°	94.2	94.4	94.4	94.4	95.0
17.5°	87.4	87.4	87.6	87.2	87.6
20°	80.4	80.2	80.4	80.4	80.6
22.5°	73.2	73.4	73.4	73.4	73.9
25°	66.9	66.7	66.9	66.9	67.3
27.5°	60.3	60.5	60.7	60.5	61.0
30°	54.4	54.8	55.0	54.6	55.2
32.5°	49.1	49.1	49.3	49.5	49.7
35°	44.4	44.2	44.7	44.7	44.9
37.5°	40.0	40.0	40.0	40.2	40.4
40°	36.0	36.0	36.2	36.2	36.4
42.5°	32.4	32.2	32.4	32.4	32.4
45°	29.0	29.2	29.2	29.2	29.2
47.5°	26.0	26.0	26.2	26.0	26.2
50°	23.3	23.3	23.3	23.3	23.5
52.5°	20.7	20.7	20.7	20.7	21.0
55°	18.6	18.4	18.6	18.4	18.6
57.5°	16.5	16.5	16.5	16.5	16.5
60°	14.6	14.4	14.6	14.4	14.6
62.5°	12.7	12.7	12.7	12.7	12.7
65°	11.0	11.0	11.0	11.0	11.0
67.5°	9.5	9.5	9.5	9.3	9.3
70°	8.0	8.0	8.0	8.0	8.0
72.5°	6.8	6.6	6.6	6.6	6.6
75°	5.5	5.3	5.3	5.3	5.3
77.5°	4.2	4.2	4.0	4.0	4.2
80°	3.2	3.0	3.0	3.0	3.0
82.5°	1.9	1.9	1.9	1.9	1.9
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.2	0.2	0.2	0.4	0.4



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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)