

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: P1320814

Luminaire Tested: LDSQA3D02R30B2750DE010 3LSQPHRLP1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320814
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R30B2750DE010 3LSQPHRLP1MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 80CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

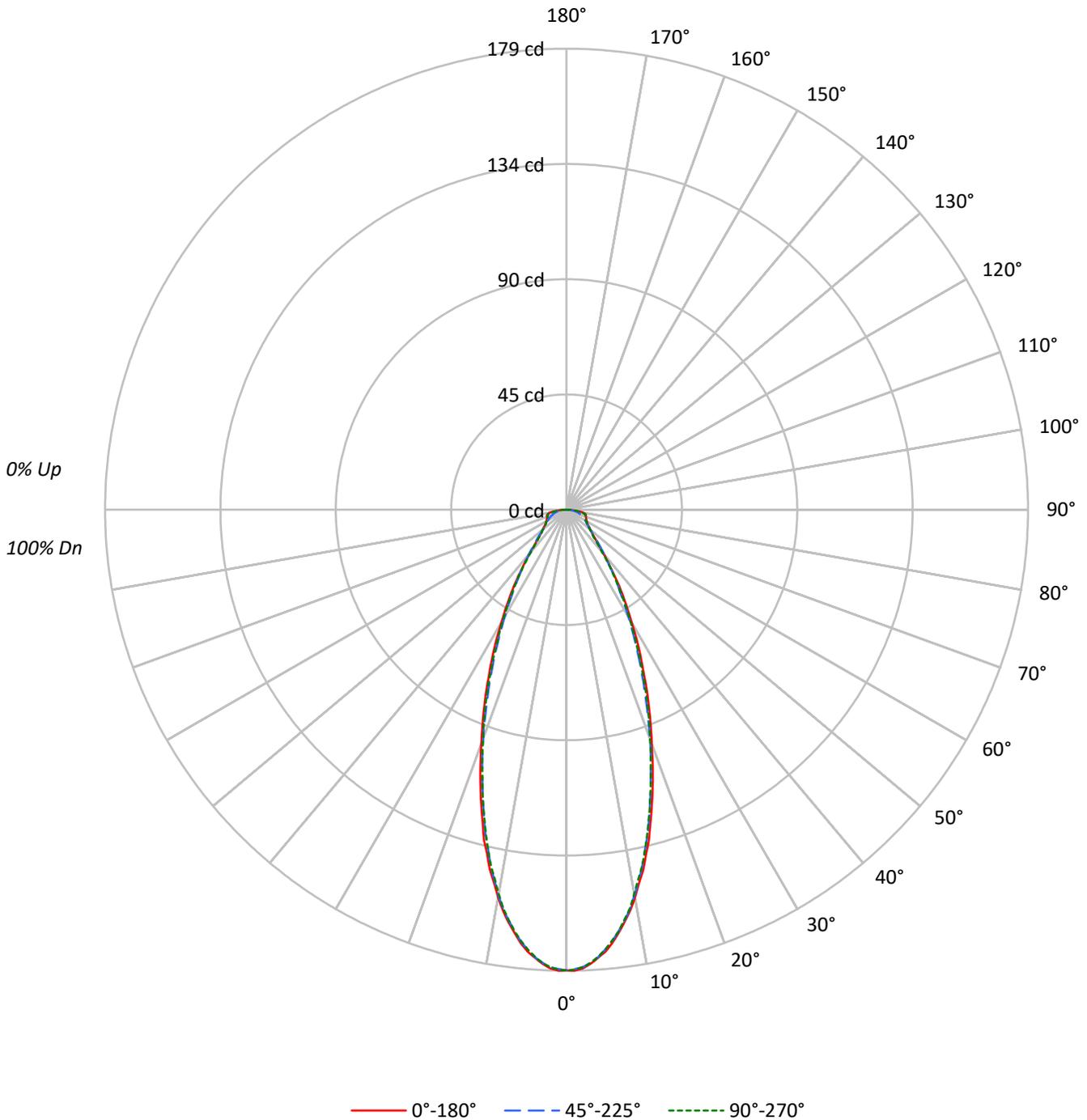
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 141.0 lumens
Efficiency: N/A
Efficacy: 48.6 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
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	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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	74	74	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	62	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	58	58	58	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	54	54	54	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	51	51	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	48	48	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	45	45	45	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30793	30793	30793
5°	29787	29649	29649
10°	26739	26582	26477
15°	22412	22055	22020
20°	17686	17338	17338
25°	13549	13017	13264
30°	10043	9526	9744
35°	7274	6938	7001
40°	4991	5103	4856
45°	3726	3897	3580
50°	3242	3188	3188
55°	3033	2913	2973
60°	3134	2893	3066
65°	3423	2893	3342
70°	4028	2921	3928
75°	5190	3194	5057
80°	6447	3471	5951
85°	5138	3359	4742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 6447 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.8	11.2
10°-20°	34.3	24.3
20°-30°	32.0	22.7
30°-40°	21.2	15.0
40°-50°	12.3	8.8
50°-60°	9.0	6.4
60°-70°	7.6	5.4
70°-80°	6.3	4.5
80°-90°	2.6	1.9
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°	82.0	58.2
0°-40°	103.2	73.2
0°-60°	124.5	88.3
0°-90°	141.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	141.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	179	179	179	179	179	
5°	172	172	172	172	172	16
15°	126	124	124	124	124	35
25°	71	70	68	69	70	33
35°	35	34	33	33	33	22
45°	15	16	16	15	15	12
55°	10	10	10	10	10	9
65°	8	8	7	8	8	8
75°	8	6	5	6	8	8
85°	3	3	2	3	2	3
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	178.8	178.8	178.8	178.8	178.8
1°	179.0	178.8	178.4	178.6	178.6
2°	178.2	177.9	177.7	177.7	177.7
3°	176.6	176.4	176.2	176.2	176.2
4°	174.5	174.3	174.3	174.1	174.1
5°	172.3	172.1	171.5	171.5	171.5
6°	169.3	169.1	168.7	168.4	168.4
7°	165.6	165.6	165.0	164.8	165.0
8°	161.7	161.5	161.1	160.9	160.9
9°	157.6	157.0	157.0	156.3	156.8
10°	152.9	152.5	152.0	151.6	151.4
11°	147.5	147.3	146.6	146.2	146.0
12°	143.0	141.9	141.4	140.8	141.2
13°	137.1	136.5	135.4	135.2	135.4
14°	132.2	130.9	130.0	129.6	129.4
15°	125.7	124.4	123.7	123.5	123.5
17.5°	111.2	110.3	108.6	108.6	108.6
20°	96.5	95.7	94.6	94.4	94.6
22.5°	83.8	82.3	80.5	80.8	82.1
25°	71.3	70.0	68.5	68.7	69.8
27.5°	60.7	59.0	57.4	57.9	58.5
30°	50.5	49.5	47.9	48.4	49.0
32.5°	41.9	41.2	39.5	39.9	40.6
35°	34.6	33.9	33.0	33.3	33.3
37.5°	27.6	27.6	27.4	27.2	27.0
40°	22.2	22.7	22.7	22.0	21.6
42.5°	18.1	18.6	19.0	18.1	17.5
45°	15.3	15.5	16.0	15.1	14.7
47.5°	13.4	13.4	13.8	13.2	13.0
50°	12.1	12.1	11.9	11.7	11.9
52.5°	11.0	10.8	10.6	10.8	10.8
55°	10.1	9.9	9.7	9.9	9.9
57.5°	9.5	9.3	9.1	9.1	9.3
60°	9.1	8.6	8.4	8.6	8.9
62.5°	8.6	8.0	7.8	8.0	8.4
65°	8.4	7.6	7.1	7.6	8.2
67.5°	8.2	7.1	6.5	7.1	8.0
70°	8.0	6.7	5.8	6.7	7.8
72.5°	7.8	6.3	5.4	6.3	7.8
75°	7.8	5.8	4.8	5.8	7.6
77.5°	7.3	5.4	4.1	5.4	7.1
80°	6.5	5.0	3.5	4.8	6.0
82.5°	4.8	4.3	2.6	4.1	4.5
85°	2.6	3.0	1.7	2.8	2.4
87.5°	0.4	0.6	0.4	1.3	0.9



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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)