

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: P1320807

Luminaire Tested: LDSQA3D02R30B2750DE010 3LSQPHRLD1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320807
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_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 3500K CCT AND, 80CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

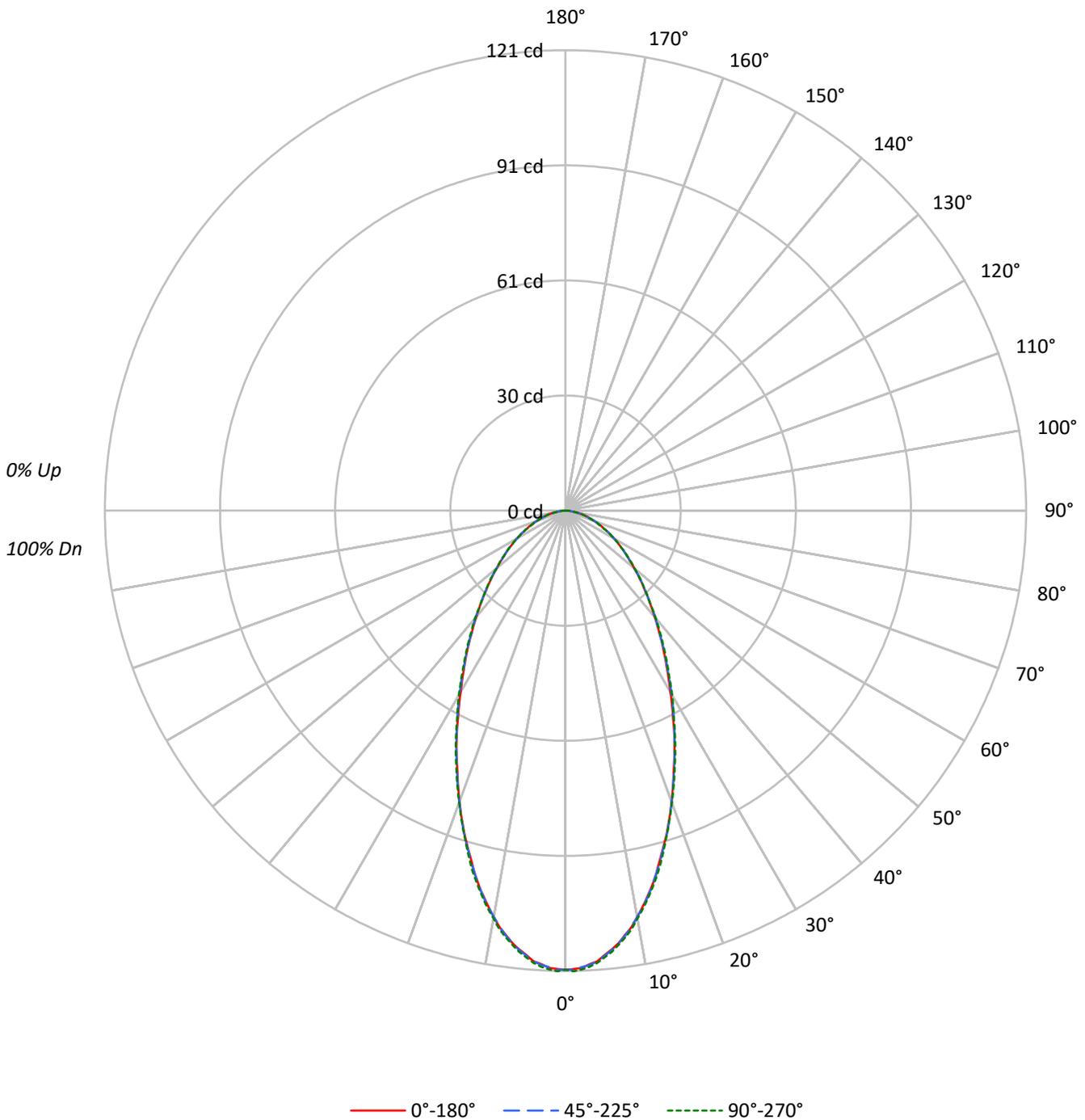
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 155.0 lumens
Efficiency: N/A
Efficacy: 53.4 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

TEST NUMBER: P1320807
CATALOG NUMBER: LDSQA3D02R30B2750DE010 3LSQPHRLD1MW_3500K

Luminous Intensity Polar Plot





TEST NUMBER: P1320807

CATALOG NUMBER: LDSQA3D02R30B2750DE010 3LSQPHRLD1MW_3500K

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20787	20787	20787
5°	20279	20313	20383
10°	18974	18974	19044
15°	17010	17045	17170
20°	14937	14937	14974
25°	12884	12884	12960
30°	10957	11077	11136
35°	9461	9503	9566
40°	8183	8251	8296
45°	7161	7209	7209
50°	6323	6323	6377
55°	5675	5675	5675
60°	5098	5098	5098
65°	4523	4523	4523
70°	4079	4079	4079
75°	3726	3593	3593
80°	3174	2975	2975
85°	2174	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 7209 cd/sqm



TEST NUMBER: P1320807

CATALOG NUMBER: LDSQA3D02R30B2750DE010 3LSQPHRLD1MW_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.9	7.1
10°-20°	26.7	17.2
20°-30°	31.1	20.1
30°-40°	28.3	18.3
40°-50°	22.9	14.8
50°-60°	16.9	10.9
60°-70°	11.1	7.2
70°-80°	5.8	3.7
80°-90°	1.3	0.8
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°	68.7	44.3
0°-40°	97.0	62.6
0°-60°	136.8	88.3
0°-90°	155.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	155.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	121	121	121	121	121	
5°	117	117	118	118	118	11
15°	95	96	96	96	96	27
25°	68	68	68	68	68	31
35°	45	45	45	45	46	28
45°	29	30	30	30	30	23
55°	19	19	19	19	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	



TEST NUMBER: P1320807

CATALOG NUMBER: LDSQA3D02R30B2750DE010 3LSQPHRLD1MW_3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	120.7	120.7	120.7	120.7	120.7
1°	120.5	120.5	120.7	120.5	121.1
2°	120.3	120.1	120.1	120.1	120.7
3°	119.4	119.4	119.6	119.4	120.1
4°	118.8	118.6	118.8	118.6	119.2
5°	117.3	117.3	117.5	117.5	117.9
6°	116.0	116.0	116.2	116.0	116.6
7°	114.5	114.5	114.5	114.5	114.9
8°	112.6	112.6	112.8	112.8	113.2
9°	110.8	110.6	110.6	110.6	111.3
10°	108.5	108.5	108.5	108.5	108.9
11°	106.1	106.1	106.1	106.1	106.6
12°	103.6	103.6	103.8	103.6	104.2
13°	101.2	101.2	101.2	101.2	101.6
14°	98.4	98.2	98.4	98.4	99.1
15°	95.4	95.6	95.6	95.6	96.3
17.5°	88.6	88.6	88.8	88.3	88.8
20°	81.5	81.3	81.5	81.5	81.7
22.5°	74.2	74.4	74.4	74.4	74.8
25°	67.8	67.5	67.8	67.8	68.2
27.5°	61.1	61.3	61.5	61.3	61.7
30°	55.1	55.5	55.7	55.3	56.0
32.5°	49.7	49.7	50.0	50.2	50.4
35°	45.0	44.8	45.2	45.2	45.5
37.5°	40.5	40.5	40.5	40.7	41.0
40°	36.4	36.4	36.7	36.7	36.9
42.5°	32.8	32.6	32.8	32.8	32.8
45°	29.4	29.6	29.6	29.6	29.6
47.5°	26.4	26.4	26.6	26.4	26.6
50°	23.6	23.6	23.6	23.6	23.8
52.5°	21.0	21.0	21.0	21.0	21.2
55°	18.9	18.7	18.9	18.7	18.9
57.5°	16.7	16.7	16.7	16.7	16.7
60°	14.8	14.6	14.8	14.6	14.8
62.5°	12.9	12.9	12.9	12.9	12.9
65°	11.1	11.1	11.1	11.1	11.1
67.5°	9.6	9.6	9.6	9.4	9.4
70°	8.1	8.1	8.1	8.1	8.1
72.5°	6.9	6.6	6.6	6.6	6.6
75°	5.6	5.4	5.4	5.4	5.4
77.5°	4.3	4.3	4.1	4.1	4.3
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



TEST NUMBER: P1320807
CATALOG NUMBER: LDSQA3D02R30B2750DE010 3LSQPHRLD1MW_3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)