

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: P1320791

Luminaire Tested: LDSQA3D02R30B2750DE010 3LSQPHRL1MB_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320791
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R30B2750DE010 3LSQPHRL1MB_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

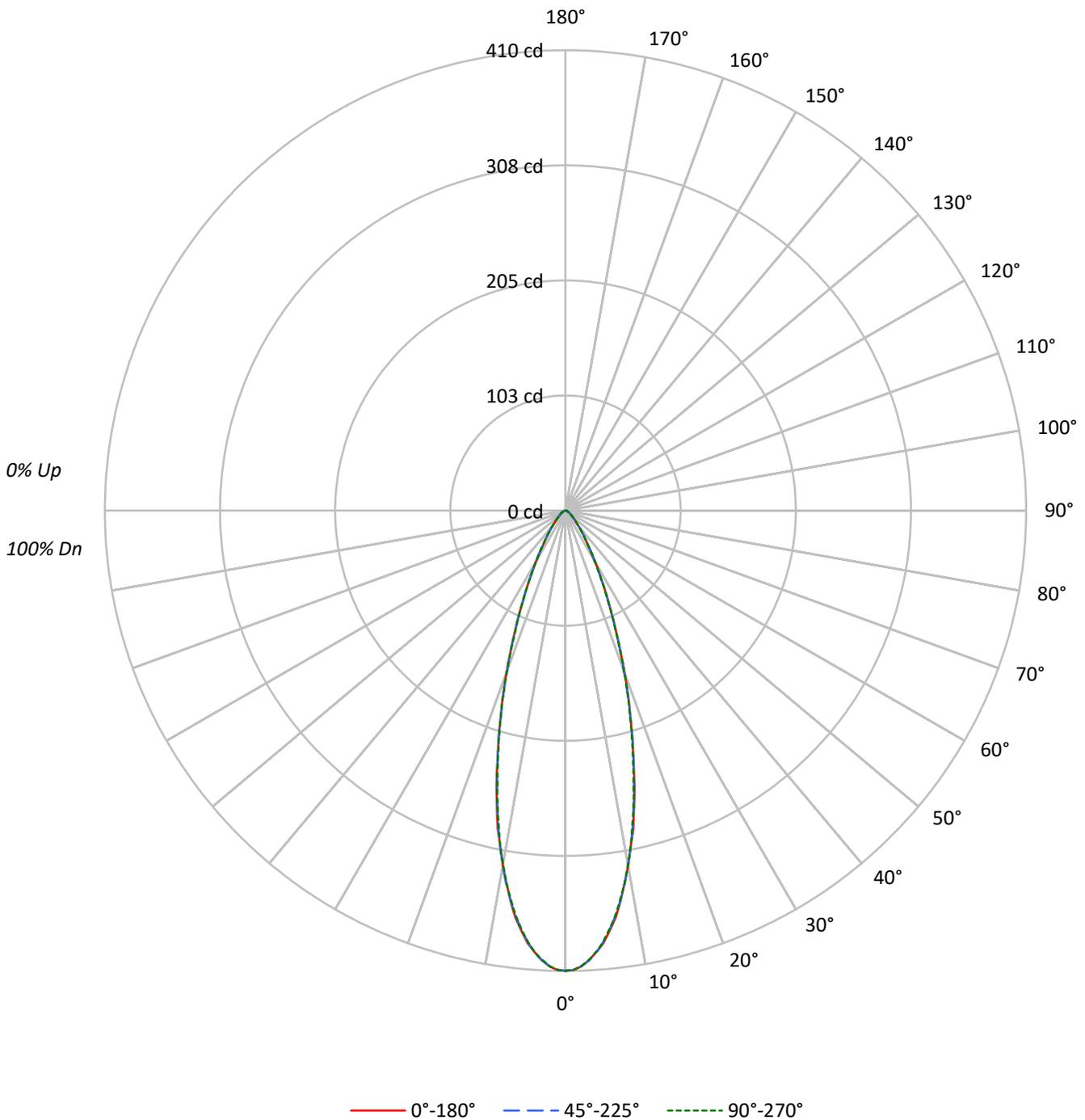
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 180.1 lumens
Efficiency: N/A
Efficacy: 62.1 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
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				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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	89	86	84	83
4	99	92	87	83	97	91	86	82	88	84	81	87	83	80	85	82	79	85	82	79	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	81	78	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	77	74	71	70
7	87	78	73	69	85	78	72	69	76	72	68	75	71	68	74	71	68	74	71	68	66
8	83	75	69	65	82	74	69	65	73	68	65	72	68	65	71	67	65	71	67	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	68	65	62	60
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	70594	70594	70594
5°	66836	66663	66628
10°	56136	56136	55926
15°	41829	41722	41472
20°	28004	27858	27895
25°	17254	17216	17292
30°	10381	10381	10421
35°	6370	6370	6412
40°	4024	4024	4114
45°	2777	2825	2825
50°	2036	2036	2036
55°	1561	1621	1621
60°	1309	1309	1378
65°	1141	1141	1141
70°	1007	1108	1108
75°	932	932	932
80°	793	793	793
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2825 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.7	19.3
10°-20°	64.2	35.6
20°-30°	42.6	23.7
30°-40°	19.7	10.9
40°-50°	9.2	5.1
50°-60°	4.9	2.7
60°-70°	2.9	1.6
70°-80°	1.5	0.8
80°-90°	0.3	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°	141.6	78.6
0°-40°	161.3	89.6
0°-60°	175.3	97.4
0°-90°	180.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	180.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	410	410	410	410	410	
5°	387	386	386	387	385	35
15°	235	235	234	234	233	64
25°	91	91	91	91	91	43
35°	30	30	30	30	30	20
45°	11	11	12	12	12	9
55°	5	5	5	5	5	5
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	409.9	409.9	409.9	409.9	409.9
1°	409.1	408.7	409.1	409.7	408.9
2°	406.3	405.9	405.9	406.7	405.9
3°	400.9	401.3	401.1	401.9	400.5
4°	394.1	393.9	394.7	395.1	393.9
5°	386.6	385.8	385.6	386.6	385.4
6°	376.2	375.6	375.2	376.4	374.8
7°	365.1	364.7	364.1	364.5	363.3
8°	351.3	351.1	350.7	351.1	349.7
9°	336.0	336.0	336.8	336.6	335.8
10°	321.0	321.4	321.0	321.4	319.8
11°	304.3	304.3	304.7	304.5	304.7
12°	289.8	288.2	287.8	287.4	286.2
13°	271.0	269.9	269.5	269.9	269.3
14°	253.9	253.1	251.1	251.5	250.7
15°	234.6	235.4	234.0	234.0	232.6
17.5°	191.8	191.0	191.4	191.6	191.0
20°	152.8	152.4	152.0	151.6	152.2
22.5°	118.7	118.9	118.5	118.1	117.7
25°	90.8	90.6	90.6	90.6	91.0
27.5°	68.9	68.9	68.9	69.1	69.1
30°	52.2	51.8	52.2	52.4	52.4
32.5°	39.0	39.4	39.6	39.6	39.6
35°	30.3	30.1	30.3	30.5	30.5
37.5°	23.1	23.1	23.3	23.3	23.5
40°	17.9	17.9	17.9	18.1	18.3
42.5°	14.1	14.1	14.3	14.3	14.5
45°	11.4	11.4	11.6	11.6	11.6
47.5°	9.2	9.2	9.4	9.4	9.4
50°	7.6	7.6	7.6	7.6	7.6
52.5°	6.4	6.2	6.4	6.4	6.4
55°	5.2	5.4	5.4	5.4	5.4
57.5°	4.4	4.6	4.6	4.6	4.6
60°	3.8	3.8	3.8	4.0	4.0
62.5°	3.2	3.4	3.4	3.4	3.4
65°	2.8	2.8	2.8	2.8	2.8
67.5°	2.4	2.4	2.4	2.4	2.6
70°	2.0	2.0	2.2	2.2	2.2
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.0	1.0	1.2	1.2	1.0
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.6	0.6	0.6	0.6	0.6
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0



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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)