

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: P1318752

Luminaire Tested: LDSQA3D02R159835DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318752
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R159835DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

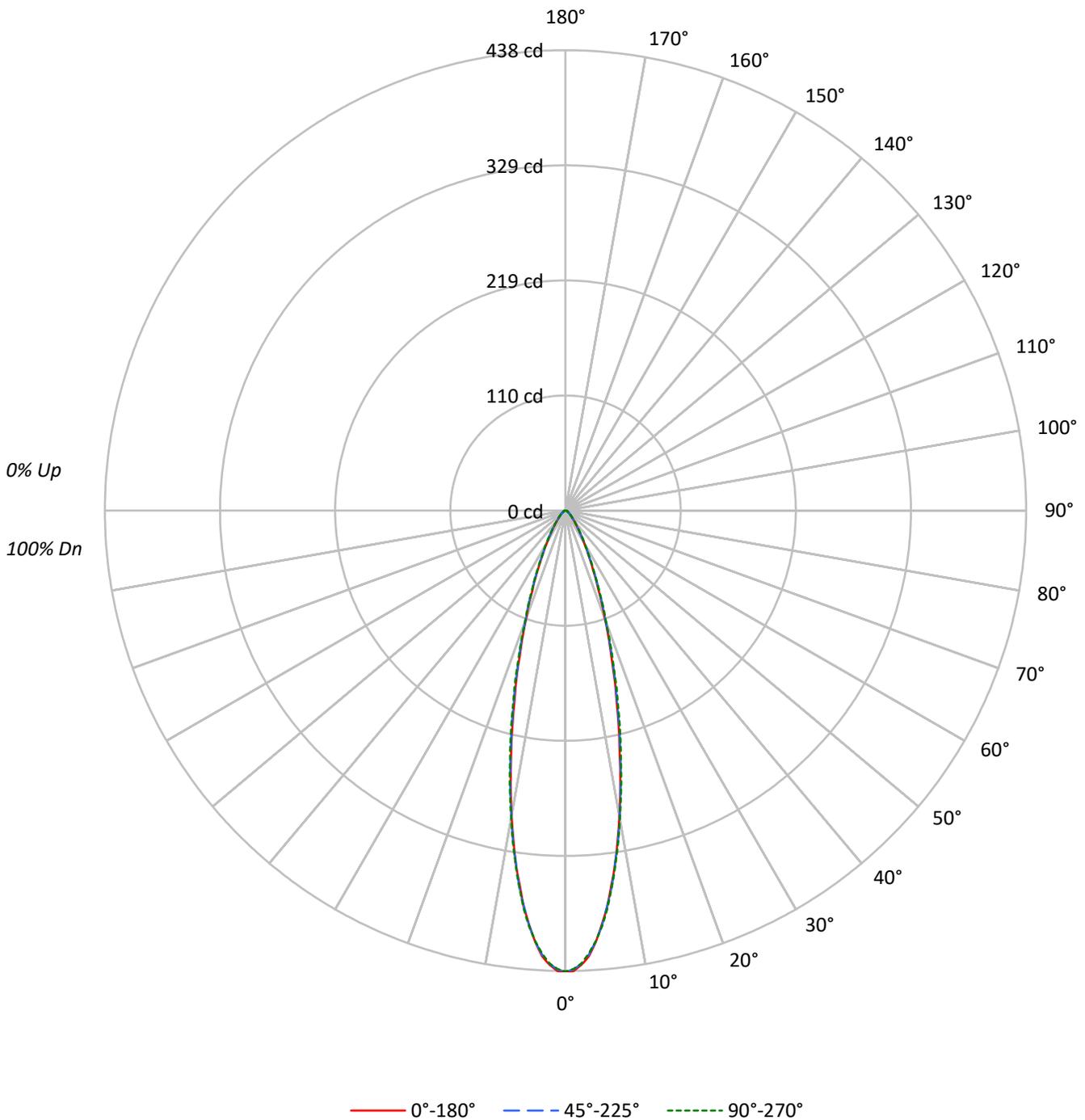
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 145.0 lumens
Efficiency: N/A
Efficacy: 40.3 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
Input Voltage (V): NR
Input Current (A_{in}): 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	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	75520	75520	75520
5°	68392	68530	68634
10°	51642	51764	52027
15°	33502	33859	34518
20°	20160	20399	20673
25°	11782	12029	12200
30°	6921	7139	7259
35°	4268	4415	4499
40°	2810	2878	2923
45°	1948	1997	2046
50°	1447	1500	1554
55°	1171	1231	1231
60°	1033	1033	1033
65°	897	897	897
70°	755	856	856
75°	732	732	732
80°	595	694	694
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°
 Vertical Angle: 45°
 Luminance: 2046 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.5	23.8
10°-20°	52.8	36.4
20°-30°	30.0	20.7
30°-40°	13.7	9.4
40°-50°	6.6	4.5
50°-60°	3.7	2.5
60°-70°	2.2	1.5
70°-80°	1.2	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°	117.4	80.9
0°-40°	131.1	90.4
0°-60°	141.3	97.5
0°-90°	145.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	145.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	438	438	438	438	438	
5°	396	396	396	396	397	34
15°	188	189	190	192	194	52
25°	62	62	63	64	64	29
35°	20	21	21	21	21	13
45°	8	8	8	8	8	6
55°	4	4	4	4	4	4
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	438.5	438.5	438.5	438.5	438.5
1°	438.1	437.0	436.6	436.4	436.1
2°	432.5	431.6	431.4	431.4	431.2
3°	424.7	423.0	423.2	422.6	422.1
4°	411.5	410.7	411.1	411.5	410.7
5°	395.6	395.5	396.4	396.4	397.0
6°	379.3	379.1	378.5	380.0	380.8
7°	358.4	359.5	361.0	360.3	360.8
8°	339.4	338.1	338.7	340.5	340.7
9°	317.1	316.1	318.6	319.3	319.5
10°	295.3	296.2	296.0	298.6	297.5
12.5°	238.5	240.0	241.7	242.8	243.9
15°	187.9	188.8	189.9	192.5	193.6
17.5°	144.5	145.6	146.7	148.9	149.3
20°	110.0	110.6	111.3	113.4	112.8
22.5°	82.3	83.2	84.0	84.9	85.5
25°	62.0	62.0	63.3	63.9	64.2
27.5°	46.2	46.5	47.5	48.2	48.0
30°	34.8	35.4	35.9	36.3	36.5
32.5°	26.8	26.8	27.4	27.9	28.1
35°	20.3	20.7	21.0	21.4	21.4
37.5°	15.8	16.0	16.4	16.6	16.6
40°	12.5	12.5	12.8	13.0	13.0
42.5°	9.9	10.1	10.2	10.4	10.4
45°	8.0	8.0	8.2	8.4	8.4
47.5°	6.5	6.5	6.7	6.9	6.9
50°	5.4	5.6	5.6	5.8	5.8
52.5°	4.7	4.7	4.7	4.8	4.8
55°	3.9	3.9	4.1	4.1	4.1
57.5°	3.4	3.4	3.4	3.5	3.5
60°	3.0	3.0	3.0	3.0	3.0
62.5°	2.6	2.6	2.6	2.6	2.6
65°	2.2	2.2	2.2	2.2	2.2
67.5°	1.9	1.9	1.9	2.0	2.0
70°	1.5	1.7	1.7	1.7	1.7
72.5°	1.3	1.3	1.3	1.3	1.3
75°	1.1	1.1	1.1	1.1	1.1
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.6	0.7	0.7	0.7	0.7
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)