

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: P1316059

Luminaire Tested: LDSQA3D02R159740DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316059
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R159740DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

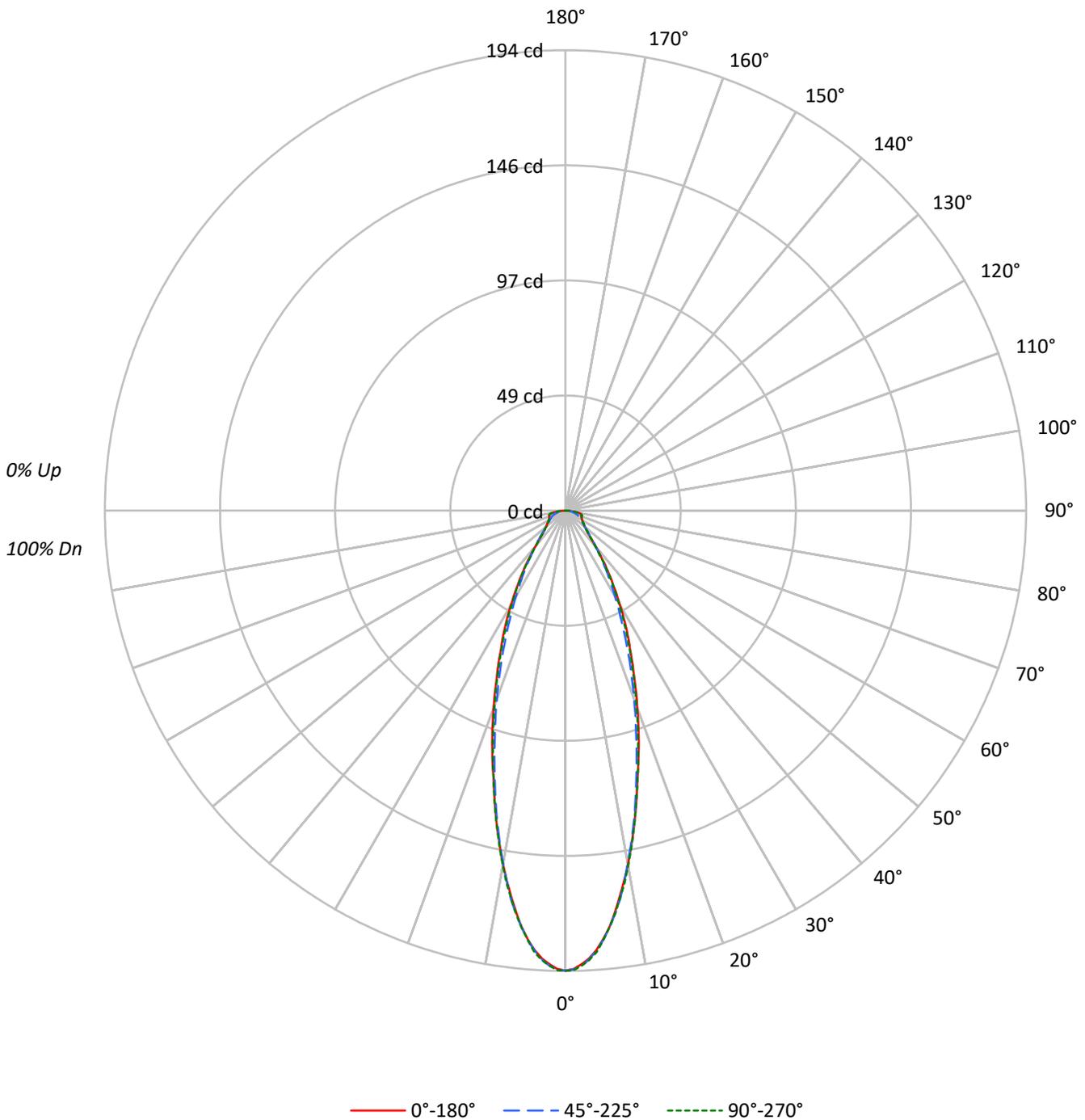
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 130.0 lumens
Efficiency: N/A
Efficacy: 36.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
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

TEST NUMBER: P1316059
CATALOG NUMBER: LDSQA3D02R159740DE010 3LSQPHRLP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1316059

CATALOG NUMBER: LDSQA3D02R159740DE010 3LSQPHRLP1MW

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	100	100	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80	80	80	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73	73	73	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66	66	66	66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61	61	61	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57	57	57	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	53	53	53	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50	50	50	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	47	47	47	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	45	45	45	45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	33394	33394	33394
5°	31361	31412	31412
10°	26494	26407	26582
15°	20843	20540	20879
20°	16202	15468	15982
25°	12219	11364	12048
30°	9088	8293	8909
35°	6497	6034	6391
40°	4406	4451	4339
45°	3264	3434	3264
50°	2840	2840	2840
55°	2762	2612	2762
60°	2824	2583	2756
65°	3056	2690	3056
70°	3676	2719	3676
75°	4724	2795	4724
80°	5852	3075	5653
85°	4742	2766	5138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 5852 cd/sqm



TEST NUMBER: P1316059

CATALOG NUMBER: LDSQA3D02R159740DE010 3LSQPHRLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.4	12.6
10°-20°	32.3	24.9
20°-30°	28.6	22.0
30°-40°	18.8	14.4
40°-50°	11.0	8.4
50°-60°	8.1	6.2
60°-70°	6.9	5.3
70°-80°	5.7	4.4
80°-90°	2.4	1.8
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°	77.3	59.4
0°-40°	96.0	73.9
0°-60°	115.1	88.5
0°-90°	130.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	130.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	194	194	194	194	194	
5°	181	181	182	182	182	16
15°	117	117	115	117	117	33
25°	64	62	60	62	63	30
35°	31	30	29	30	30	19
45°	13	14	14	14	13	11
55°	9	9	9	9	9	8
65°	8	7	7	7	8	8
75°	7	5	4	5	7	7
85°	2	3	1	2	3	3
90°	0	0	0	0	0	



TEST NUMBER: P1316059

CATALOG NUMBER: LDSQA3D02R159740DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	193.9	193.9	193.9	193.9	193.9
1°	193.2	193.4	193.4	193.7	193.7
2°	191.3	191.8	192.0	192.0	192.0
3°	189.0	189.2	189.4	189.7	189.7
4°	185.7	185.9	185.9	186.4	186.6
5°	181.4	181.4	181.7	181.9	181.7
6°	176.5	176.5	176.7	176.7	176.7
7°	170.6	170.8	171.1	171.3	171.1
8°	164.2	164.5	165.2	165.2	164.9
9°	157.9	158.1	158.1	158.8	158.8
10°	151.5	151.5	151.0	151.5	152.0
12.5°	134.3	134.1	133.4	134.1	134.5
15°	116.9	116.9	115.2	116.6	117.1
17.5°	102.7	100.6	99.0	100.4	101.6
20°	88.4	86.2	84.4	85.8	87.2
22.5°	75.4	73.8	71.4	72.8	74.5
25°	64.3	62.2	59.8	61.5	63.4
27.5°	55.1	52.3	50.0	51.8	53.5
30°	45.7	43.8	41.7	43.1	44.8
32.5°	37.7	36.3	34.6	35.8	37.2
35°	30.9	29.7	28.7	29.5	30.4
37.5°	24.7	24.3	23.8	24.0	24.0
40°	19.6	19.8	19.8	19.8	19.3
42.5°	16.0	16.3	16.7	16.3	16.0
45°	13.4	13.7	14.1	13.7	13.4
47.5°	11.8	12.0	12.3	11.8	11.8
50°	10.6	10.6	10.6	10.6	10.6
52.5°	9.9	9.7	9.7	9.7	9.9
55°	9.2	9.0	8.7	9.0	9.2
57.5°	8.5	8.2	8.0	8.2	8.5
60°	8.2	7.8	7.5	7.8	8.0
62.5°	7.8	7.3	7.1	7.3	7.8
65°	7.5	6.8	6.6	6.8	7.5
67.5°	7.3	6.4	5.9	6.4	7.3
70°	7.3	5.9	5.4	6.1	7.3
72.5°	7.1	5.7	4.7	5.7	7.1
75°	7.1	5.2	4.2	5.4	7.1
77.5°	6.6	4.7	3.5	4.9	6.6
80°	5.9	4.2	3.1	4.5	5.7
82.5°	4.2	3.5	2.4	3.5	4.2
85°	2.4	2.6	1.4	2.4	2.6
87.5°	0.2	0.7	0.5	1.4	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)