

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: P1311441

Luminaire Tested: LDSQA3D13R159040DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311441
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: LDSQA3D13R159040DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

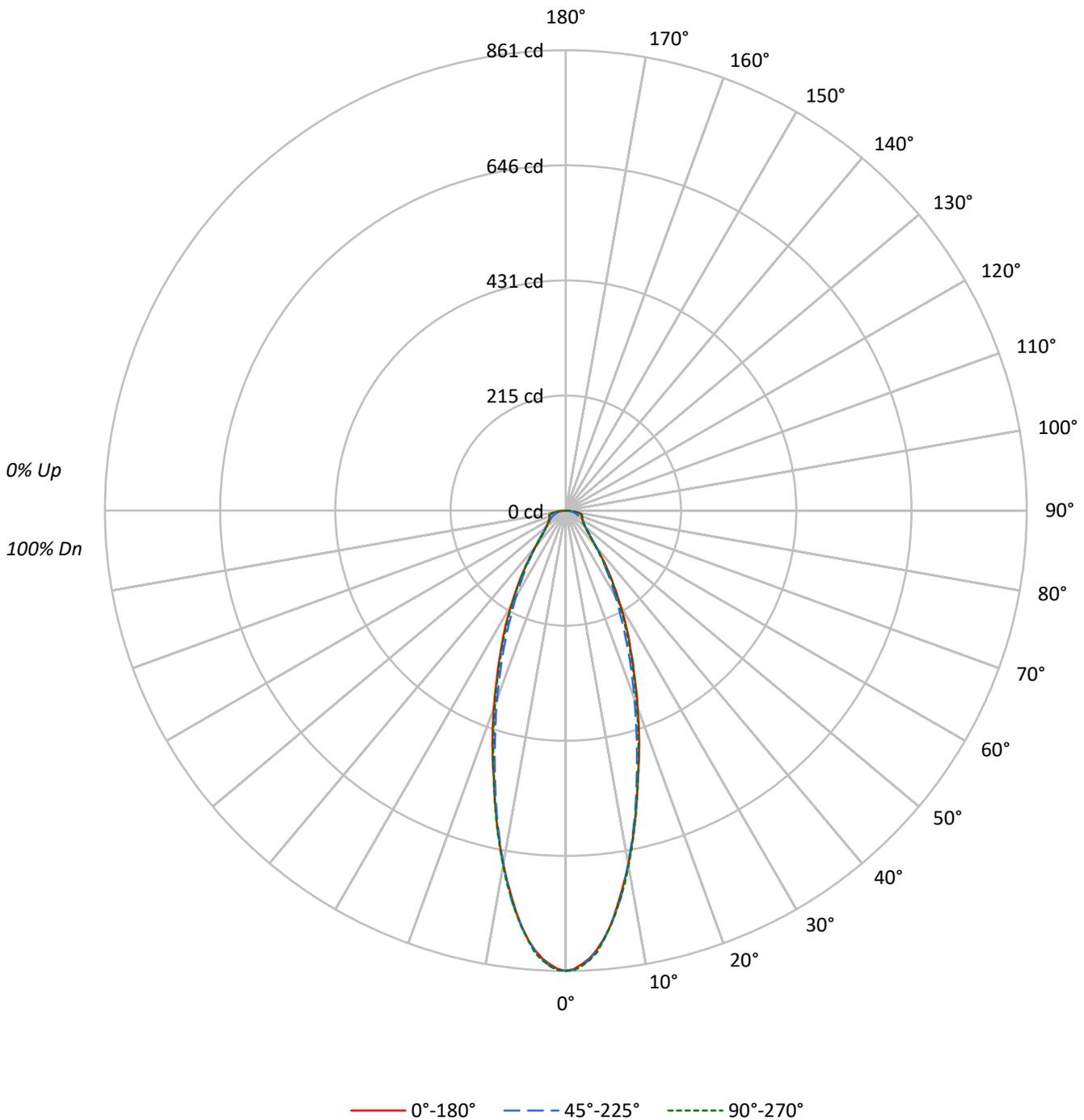
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 577.0 lumens
Efficiency: N/A
Efficacy: 39.5 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): 14.6
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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	74	74	74	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	63	63	63	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	59	59	59	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	55	55	55	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	49	49	49	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	46	46	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	148232	148232	148232
5°	139221	139394	139394
10°	117606	117239	117974
15°	92483	91182	92679
20°	71881	68618	70928
25°	54253	50471	53454
30°	40350	36810	39515
35°	28804	26827	28362
40°	19514	19739	19290
45°	14516	15271	14516
50°	12620	12620	12620
55°	12251	11620	12251
60°	12607	11539	12262
65°	13652	11940	13652
70°	16315	12135	16315
75°	20894	12510	20894
80°	25886	13488	24894
85°	20748	12449	22724

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 25886 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.6	12.6
10°-20°	143.5	24.9
20°-30°	126.8	22.0
30°-40°	83.3	14.4
40°-50°	48.7	8.4
50°-60°	35.9	6.2
60°-70°	30.6	5.3
70°-80°	25.2	4.4
80°-90°	10.4	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°	342.9	59.4
0°-40°	426.3	73.9
0°-60°	510.8	88.5
0°-90°	577.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	577.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	861	861	861	861	861	
5°	805	805	806	807	806	72
15°	519	519	511	518	520	145
25°	286	276	266	273	281	132
35°	137	132	128	131	135	86
45°	60	61	63	61	60	48
55°	41	40	39	40	41	37
65°	34	30	29	30	34	33
75°	31	23	19	24	31	32
85°	10	12	6	10	12	12
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	860.7	860.7	860.7	860.7	860.7
1°	857.6	858.6	858.6	859.7	859.7
2°	849.2	851.3	852.3	852.3	852.3
3°	838.7	839.8	840.8	841.9	841.9
4°	824.1	825.2	825.2	827.2	828.3
5°	805.3	805.3	806.3	807.4	806.3
6°	783.3	783.3	784.4	784.4	784.4
7°	757.2	758.2	759.3	760.3	759.3
8°	728.9	730.0	733.1	733.1	732.1
9°	700.7	701.7	701.7	704.9	704.9
10°	672.5	672.5	670.4	672.5	674.6
12.5°	596.1	595.1	591.9	595.1	597.2
15°	518.7	518.7	511.4	517.7	519.8
17.5°	456.0	446.6	439.2	445.5	450.7
20°	392.2	382.8	374.4	380.7	387.0
22.5°	334.7	327.3	316.9	323.2	330.5
25°	285.5	276.1	265.6	273.0	281.3
27.5°	244.7	232.2	221.7	230.1	237.4
30°	202.9	194.5	185.1	191.4	198.7
32.5°	167.3	161.1	153.7	159.0	165.2
35°	137.0	131.8	127.6	130.7	134.9
37.5°	109.8	107.7	105.6	106.7	106.7
40°	86.8	87.8	87.8	87.8	85.8
42.5°	71.1	72.2	74.3	72.2	71.1
45°	59.6	60.7	62.7	60.7	59.6
47.5°	52.3	53.3	54.4	52.3	52.3
50°	47.1	47.1	47.1	47.1	47.1
52.5°	43.9	42.9	42.9	42.9	43.9
55°	40.8	39.7	38.7	39.7	40.8
57.5°	37.6	36.6	35.6	36.6	37.6
60°	36.6	34.5	33.5	34.5	35.6
62.5°	34.5	32.4	31.4	32.4	34.5
65°	33.5	30.3	29.3	30.3	33.5
67.5°	32.4	28.2	26.1	28.2	32.4
70°	32.4	26.1	24.1	27.2	32.4
72.5°	31.4	25.1	20.9	25.1	31.4
75°	31.4	23.0	18.8	24.1	31.4
77.5°	29.3	20.9	15.7	22.0	29.3
80°	26.1	18.8	13.6	19.9	25.1
82.5°	18.8	15.7	10.5	15.7	18.8
85°	10.5	11.5	6.3	10.5	11.5
87.5°	1.0	3.1	2.1	6.3	5.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)