

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: P1307272

Luminaire Tested: LDSQA3D17R159024DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307272
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: LDSQA3D17R159024DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

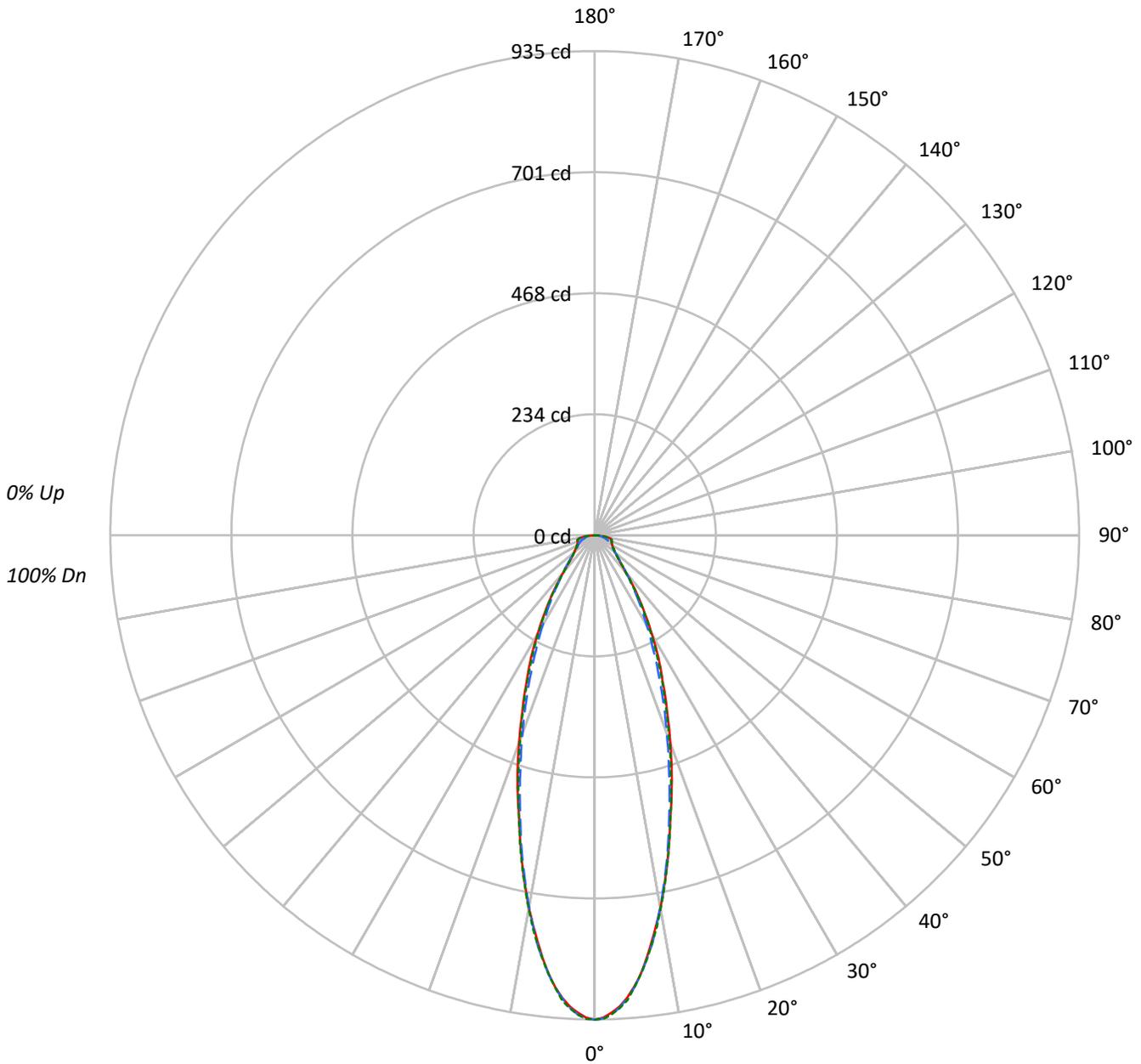
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 627.0 lumens
Efficiency: N/A
Efficacy: 29.6 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): 21.2
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



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



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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°	161080	161080	161080
5°	151288	151478	151478
10°	127784	127400	128187
15°	100507	99080	100703
20°	78112	74556	77067
25°	58946	54861	58091
30°	43850	40012	42935
35°	31305	29140	30822
40°	21201	21470	20953
45°	15783	16611	15783
50°	13691	13691	13691
55°	13302	12611	13302
60°	13709	12538	13296
65°	14833	12959	14833
70°	17725	13143	17725
75°	22691	13641	22691
80°	28167	14679	27076
85°	22527	13437	24700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 28167 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.9	12.6
10°-20°	155.9	24.9
20°-30°	137.8	22.0
30°-40°	90.5	14.4
40°-50°	52.9	8.4
50°-60°	39.0	6.2
60°-70°	33.2	5.3
70°-80°	27.4	4.4
80°-90°	11.3	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°	372.7	59.4
0°-40°	463.2	73.9
0°-60°	555.1	88.5
0°-90°	627.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	627.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	935	935	935	935	935	
5°	875	875	876	877	876	79
15°	564	564	556	562	565	158
25°	310	300	289	297	306	143
35°	149	143	139	142	147	94
45°	65	66	68	66	65	52
55°	44	43	42	43	44	40
65°	36	33	32	33	36	36
75°	34	25	20	26	34	35
85°	11	12	7	11	12	13
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	935.3	935.3	935.3	935.3	935.3
1°	931.9	933.0	933.0	934.2	934.2
2°	922.8	925.1	926.2	926.2	926.2
3°	911.4	912.6	913.7	914.8	914.8
4°	895.5	896.7	896.7	898.9	900.1
5°	875.1	875.1	876.2	877.3	876.2
6°	851.2	851.2	852.3	852.3	852.3
7°	822.8	823.9	825.1	826.2	825.1
8°	792.1	793.2	796.6	796.6	795.5
9°	761.4	762.6	762.6	766.0	766.0
10°	730.7	730.7	728.5	730.7	733.0
12.5°	647.8	646.6	643.2	646.6	648.9
15°	563.7	563.7	555.7	562.5	564.8
17.5°	495.5	485.3	477.3	484.1	489.8
20°	426.2	415.9	406.8	413.7	420.5
22.5°	363.7	355.7	344.3	351.2	359.1
25°	310.2	300.0	288.7	296.6	305.7
27.5°	265.9	252.3	240.9	250.0	258.0
30°	220.5	211.4	201.2	208.0	215.9
32.5°	181.8	175.0	167.1	172.7	179.6
35°	148.9	143.2	138.6	142.1	146.6
37.5°	119.3	117.1	114.8	115.9	115.9
40°	94.3	95.5	95.5	95.5	93.2
42.5°	77.3	78.4	80.7	78.4	77.3
45°	64.8	65.9	68.2	65.9	64.8
47.5°	56.8	58.0	59.1	56.8	56.8
50°	51.1	51.1	51.1	51.1	51.1
52.5°	47.7	46.6	46.6	46.6	47.7
55°	44.3	43.2	42.0	43.2	44.3
57.5°	40.9	39.8	38.6	39.8	40.9
60°	39.8	37.5	36.4	37.5	38.6
62.5°	37.5	35.2	34.1	35.2	37.5
65°	36.4	33.0	31.8	33.0	36.4
67.5°	35.2	30.7	28.4	30.7	35.2
70°	35.2	28.4	26.1	29.5	35.2
72.5°	34.1	27.3	22.7	27.3	34.1
75°	34.1	25.0	20.5	26.1	34.1
77.5°	31.8	22.7	17.0	23.9	31.8
80°	28.4	20.5	14.8	21.6	27.3
82.5°	20.5	17.0	11.4	17.0	20.5
85°	11.4	12.5	6.8	11.4	12.5
87.5°	1.1	3.4	2.3	6.8	5.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)