

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: P1314976

Luminaire Tested: LDSQA3D20R359730D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R359730D010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

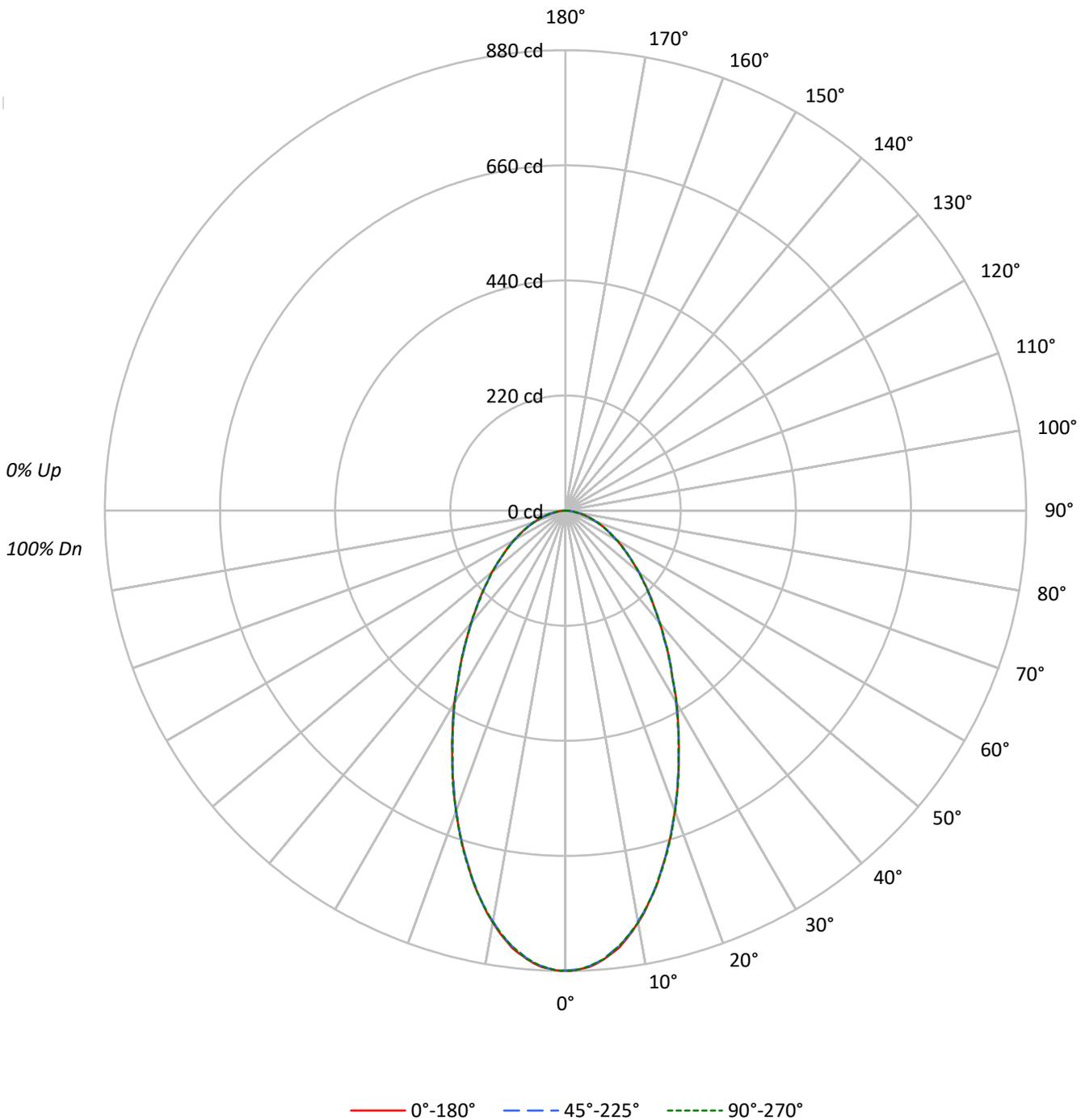
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1175.0 lumens
Efficiency: N/A
Efficacy: 40.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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				
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	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	84	81	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	77	73	70	68
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62	70	66	62	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	65	60	56	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	52	46	42	41
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	48	43	39	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	151470	151470	151470
5°	148643	148383	148643
10°	139764	139484	139764
15°	126538	126538	126806
20°	112000	112000	112000
25°	97408	97104	97104
30°	84438	83842	84140
35°	72682	72366	72682
40°	63062	62725	63062
45°	55410	55020	55020
50°	49165	48763	48763
55°	43268	43268	43268
60°	39163	38647	39163
65°	35209	35209	35209
70°	31321	31321	31321
75°	28280	27216	28280
80°	24101	24101	24101
85°	15018	15018	15018

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 55410 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.0	6.8
10°-20°	198.0	16.8
20°-30°	235.2	20.0
30°-40°	216.2	18.4
40°-50°	175.5	14.9
50°-60°	129.9	11.1
60°-70°	85.8	7.3
70°-80°	44.5	3.8
80°-90°	10.0	0.9
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°	513.2	43.7
0°-40°	729.3	62.1
0°-60°	1034.7	88.1
0°-90°	1175.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1175.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	880	880	880	880	880	
5°	860	858	858	858	860	80
15°	710	710	710	710	711	198
25°	513	511	511	513	511	236
35°	346	344	344	346	346	217
45°	228	226	226	226	226	176
55°	144	144	144	144	144	130
65°	86	86	86	86	86	86
75°	42	42	41	42	42	45
85°	8	8	8	8	8	10
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	879.5	879.5	879.5	879.5	879.5
1°	879.5	878.0	878.0	878.0	879.5
2°	876.5	876.5	876.5	876.5	876.5
3°	873.5	872.0	872.0	872.0	872.0
4°	867.4	865.9	865.9	865.9	865.9
5°	859.8	858.3	858.3	858.3	859.8
6°	850.7	849.2	847.7	847.7	849.2
7°	841.6	838.6	838.6	838.6	838.6
8°	828.0	826.5	826.5	826.5	826.5
9°	814.3	811.3	812.8	812.8	812.8
10°	799.2	797.6	797.6	797.6	799.2
11°	784.0	782.5	782.5	781.0	782.5
12°	765.8	765.8	765.8	765.8	765.8
13°	749.1	747.6	747.6	747.6	749.1
14°	730.9	729.4	729.4	729.4	729.4
15°	709.7	709.7	709.7	709.7	711.2
17.5°	661.2	659.6	661.2	661.2	662.7
20°	611.1	609.6	611.1	611.1	611.1
22.5°	561.1	561.1	559.6	561.1	562.6
25°	512.6	511.0	511.0	512.6	511.0
27.5°	467.1	465.5	465.5	465.5	465.5
30°	424.6	421.6	421.6	423.1	423.1
32.5°	380.6	380.6	382.1	380.6	380.6
35°	345.7	344.2	344.2	345.7	345.7
37.5°	310.9	309.4	309.4	310.9	310.9
40°	280.5	280.5	279.0	280.5	280.5
42.5°	251.7	251.7	251.7	251.7	251.7
45°	227.5	225.9	225.9	225.9	225.9
47.5°	203.2	203.2	203.2	201.7	203.2
50°	183.5	182.0	182.0	182.0	182.0
52.5°	162.3	162.3	162.3	162.3	162.3
55°	144.1	144.1	144.1	144.1	144.1
57.5°	128.9	127.4	127.4	127.4	127.4
60°	113.7	113.7	112.2	113.7	113.7
62.5°	98.6	98.6	98.6	98.6	98.6
65°	86.4	86.4	86.4	86.4	86.4
67.5°	74.3	74.3	74.3	74.3	74.3
70°	62.2	62.2	62.2	62.2	62.2
72.5°	53.1	51.6	51.6	51.6	51.6
75°	42.5	42.5	40.9	42.5	42.5
77.5°	31.8	31.8	31.8	31.8	31.8
80°	24.3	24.3	24.3	22.7	24.3
82.5°	15.2	15.2	15.2	15.2	15.2
85°	7.6	7.6	7.6	7.6	7.6
87.5°	1.5	1.5	1.5	3.0	3.0



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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)