

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: P1311818

Luminaire Tested: LDSQA3D20R409040D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311818
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R409040D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

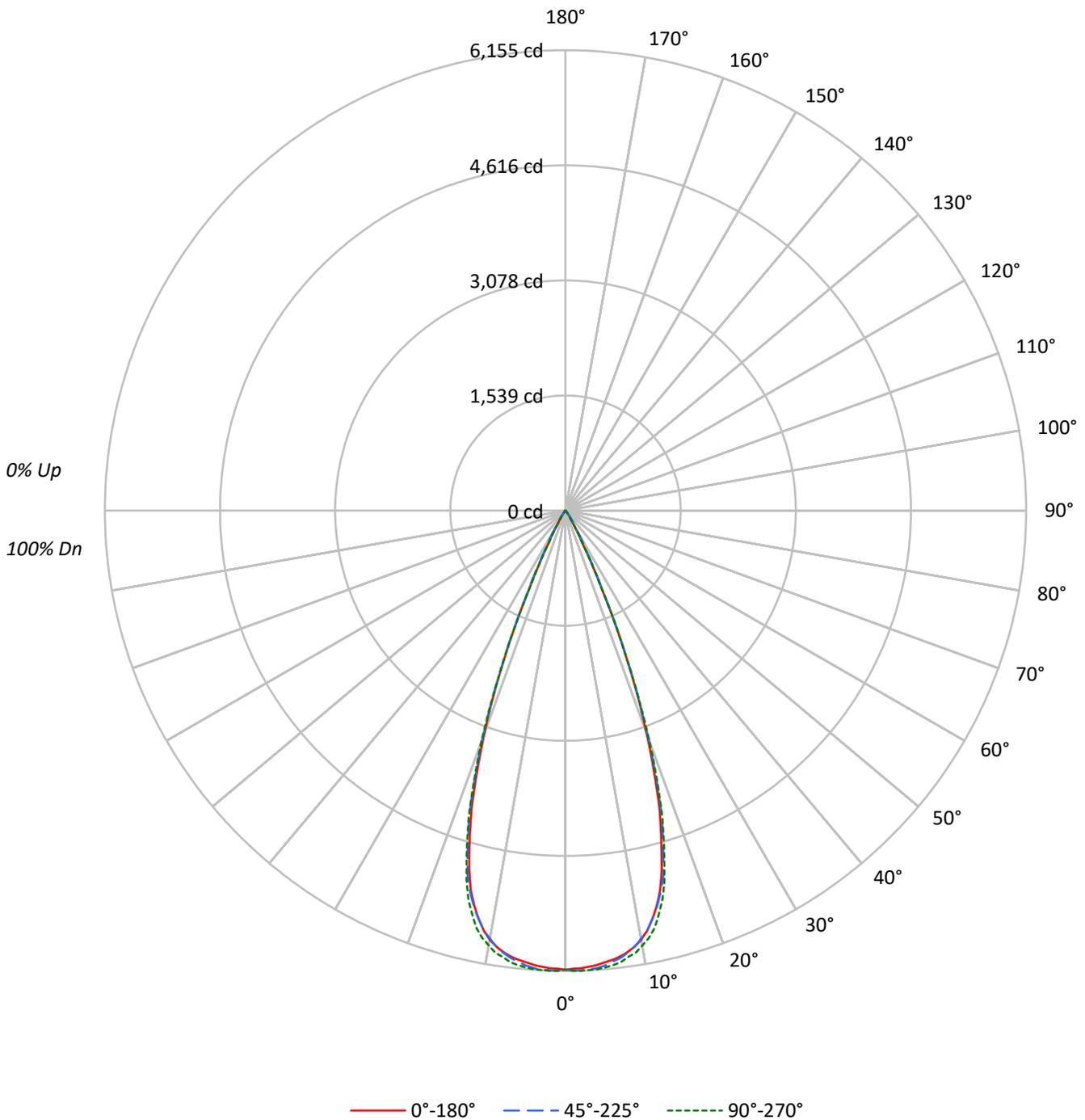
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2582.0 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
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 (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			
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92		
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89		
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	85		
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	82		
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79		
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	76		
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	73		
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	71		
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	69		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1057464	1057464	1057464
5°	1048296	1054900	1059930
10°	1018445	1016539	1032436
15°	885981	900244	911281
20°	581497	592823	600484
25°	207300	219405	206274
30°	45202	61111	45560
35°	14528	25229	14149
40°	4496	7756	4092
45°	438	2655	438
50°	0	482	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2655 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	574.2	22.2
10°-20°	1337.2	51.8
20°-30°	599.7	23.2
30°-40°	64.8	2.5
40°-50°	6.0	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	2511.2	97.3
0°-40°	2575.9	99.8
0°-60°	2582.0	100.0
0°-90°	2582.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2582.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6140	6140	6140	6140	6140	
5°	6064	6080	6102	6111	6131	572
15°	4969	5006	5049	5078	5111	1321
25°	1091	1124	1155	1175	1086	582
35°	69	80	120	78	67	54
45°	2	4	11	4	2	4
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6140.1	6140.1	6140.1	6140.1	6140.1
1°	6127.3	6140.1	6151.0	6141.9	6154.6
2°	6121.9	6136.4	6152.8	6143.7	6154.6
3°	6107.3	6125.5	6143.7	6138.2	6149.2
4°	6087.3	6101.9	6129.2	6129.2	6145.5
5°	6063.7	6080.1	6101.9	6111.0	6131.0
6°	6038.2	6047.3	6063.7	6081.9	6109.2
7°	6005.5	6005.5	6025.5	6043.7	6080.1
8°	5960.1	5956.4	5971.0	5994.6	6027.3
9°	5903.7	5891.0	5901.9	5936.4	5985.5
10°	5823.7	5812.8	5812.8	5856.4	5903.7
11°	5720.1	5716.4	5718.2	5760.1	5823.7
12°	5580.1	5583.7	5583.7	5631.0	5709.2
13°	5421.9	5420.1	5436.4	5489.2	5541.9
14°	5229.1	5240.1	5256.4	5303.7	5358.2
15°	4969.1	5005.5	5049.1	5078.2	5111.0
17.5°	4178.2	4214.6	4274.6	4298.2	4305.5
20°	3172.8	3225.5	3234.6	3281.9	3276.4
22.5°	2127.3	2123.7	2130.9	2136.4	2138.2
25°	1090.9	1123.6	1154.6	1174.6	1085.5
27.5°	474.6	530.9	570.9	518.2	480.0
30°	227.3	258.2	307.3	260.0	229.1
32.5°	123.6	143.6	194.5	141.8	121.8
35°	69.1	80.0	120.0	78.2	67.3
37.5°	40.0	43.6	65.5	43.6	38.2
40°	20.0	25.5	34.5	25.5	18.2
42.5°	7.3	12.7	18.2	12.7	7.3
45°	1.8	3.6	10.9	3.6	1.8
47.5°	0.0	0.0	5.5	0.0	0.0
50°	0.0	0.0	1.8	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)