

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: P1310353

Luminaire Tested: LDSQA3D13R259035DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310353
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R259035DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

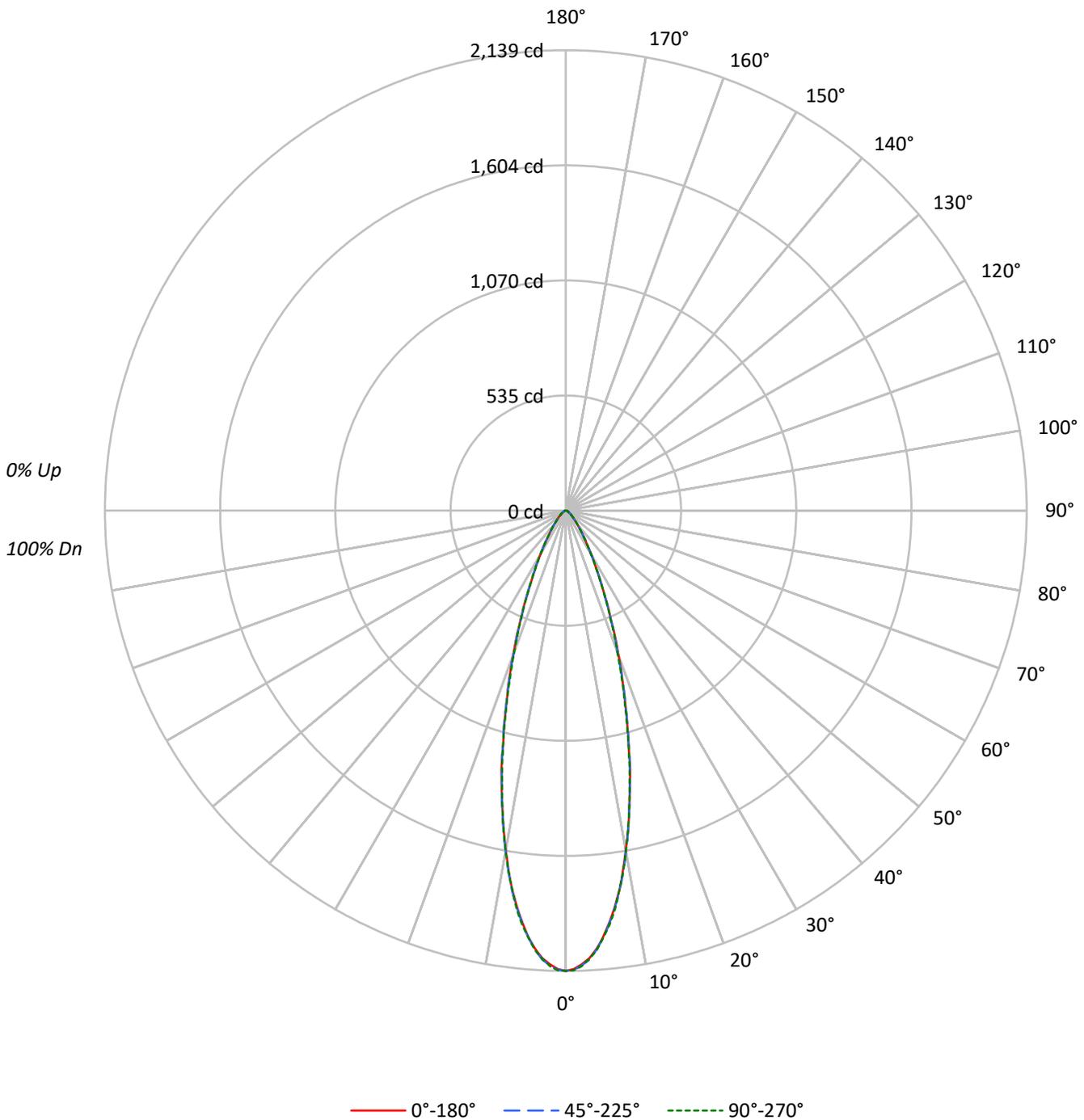
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 857.0 lumens
Efficiency: N/A
Efficacy: 58.7 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
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				
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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73	79	76	73	78	75	72	78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	75	71	69	67
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	72	68	66	64
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	368350	368350	368350
5°	343825	344171	344343
10°	280437	281311	281311
15°	200300	201370	200300
20°	131097	129814	127981
25°	77949	78329	77949
30°	46952	46952	46753
35°	28614	28825	28614
40°	18210	18435	18435
45°	12665	12665	12665
50°	9110	9378	9378
55°	7206	7206	7507
60°	5856	6200	6200
65°	5298	5298	5298
70°	4532	4532	5035
75°	3993	3993	4658
80°	3967	3967	3967
85°	1976	1976	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12665 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.7	20.7
10°-20°	309.8	36.2
20°-30°	194.8	22.7
30°-40°	89.1	10.4
40°-50°	41.6	4.9
50°-60°	22.4	2.6
60°-70°	13.2	1.5
70°-80°	6.9	0.8
80°-90°	1.5	0.2
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°	682.3	79.6
0°-40°	771.4	90.0
0°-60°	835.4	97.5
0°-90°	857.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	857.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2139	2139	2139	2139	2139	
5°	1989	1993	1991	1993	1992	177
15°	1123	1130	1129	1131	1123	310
25°	410	415	412	412	410	195
35°	136	136	137	137	136	89
45°	52	52	52	52	52	41
55°	24	24	24	25	25	22
65°	13	13	13	13	13	13
75°	6	6	6	7	7	7
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2138.8	2138.8	2138.8	2138.8	2138.8
1°	2129.8	2131.8	2133.8	2136.8	2135.8
2°	2109.8	2113.8	2114.8	2118.8	2117.8
3°	2082.8	2081.8	2089.8	2089.8	2084.8
4°	2040.8	2042.8	2044.8	2046.8	2047.8
5°	1988.8	1992.8	1990.8	1992.8	1991.8
6°	1924.8	1930.8	1929.8	1931.8	1934.8
7°	1856.7	1860.7	1860.7	1858.7	1866.7
8°	1782.7	1779.7	1784.7	1782.7	1781.7
9°	1694.7	1700.7	1701.7	1696.7	1698.7
10°	1603.6	1607.6	1608.6	1611.6	1608.6
11°	1513.6	1513.6	1515.6	1520.6	1512.6
12°	1415.6	1424.6	1415.6	1419.6	1415.6
13°	1322.5	1324.5	1322.5	1321.5	1314.5
14°	1234.5	1227.5	1229.5	1221.5	1222.5
15°	1123.4	1130.4	1129.4	1131.4	1123.4
17.5°	903.4	907.4	906.4	904.4	894.4
20°	715.3	715.3	708.3	704.3	698.3
22.5°	546.2	544.2	541.2	538.2	540.2
25°	410.2	415.2	412.2	412.2	410.2
27.5°	310.1	316.1	311.1	308.1	310.1
30°	236.1	238.1	236.1	235.1	235.1
32.5°	178.1	179.1	178.1	178.1	178.1
35°	136.1	136.1	137.1	137.1	136.1
37.5°	105.0	105.0	105.0	105.0	106.0
40°	81.0	82.0	82.0	82.0	82.0
42.5°	64.0	65.0	65.0	65.0	65.0
45°	52.0	52.0	52.0	52.0	52.0
47.5°	42.0	42.0	42.0	42.0	43.0
50°	34.0	35.0	35.0	35.0	35.0
52.5°	29.0	29.0	29.0	29.0	29.0
55°	24.0	24.0	24.0	25.0	25.0
57.5°	20.0	20.0	21.0	21.0	21.0
60°	17.0	18.0	18.0	18.0	18.0
62.5°	15.0	15.0	16.0	16.0	16.0
65°	13.0	13.0	13.0	13.0	13.0
67.5°	11.0	11.0	11.0	11.0	12.0
70°	9.0	9.0	9.0	10.0	10.0
72.5°	8.0	8.0	8.0	8.0	8.0
75°	6.0	6.0	6.0	7.0	7.0
77.5°	5.0	5.0	5.0	5.0	5.0
80°	4.0	4.0	4.0	4.0	4.0
82.5°	2.0	2.0	3.0	3.0	3.0
85°	1.0	1.0	1.0	1.0	1.0
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)