

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: P1319336

Luminaire Tested: LDSQA3D17R159835DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319336  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R159835DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

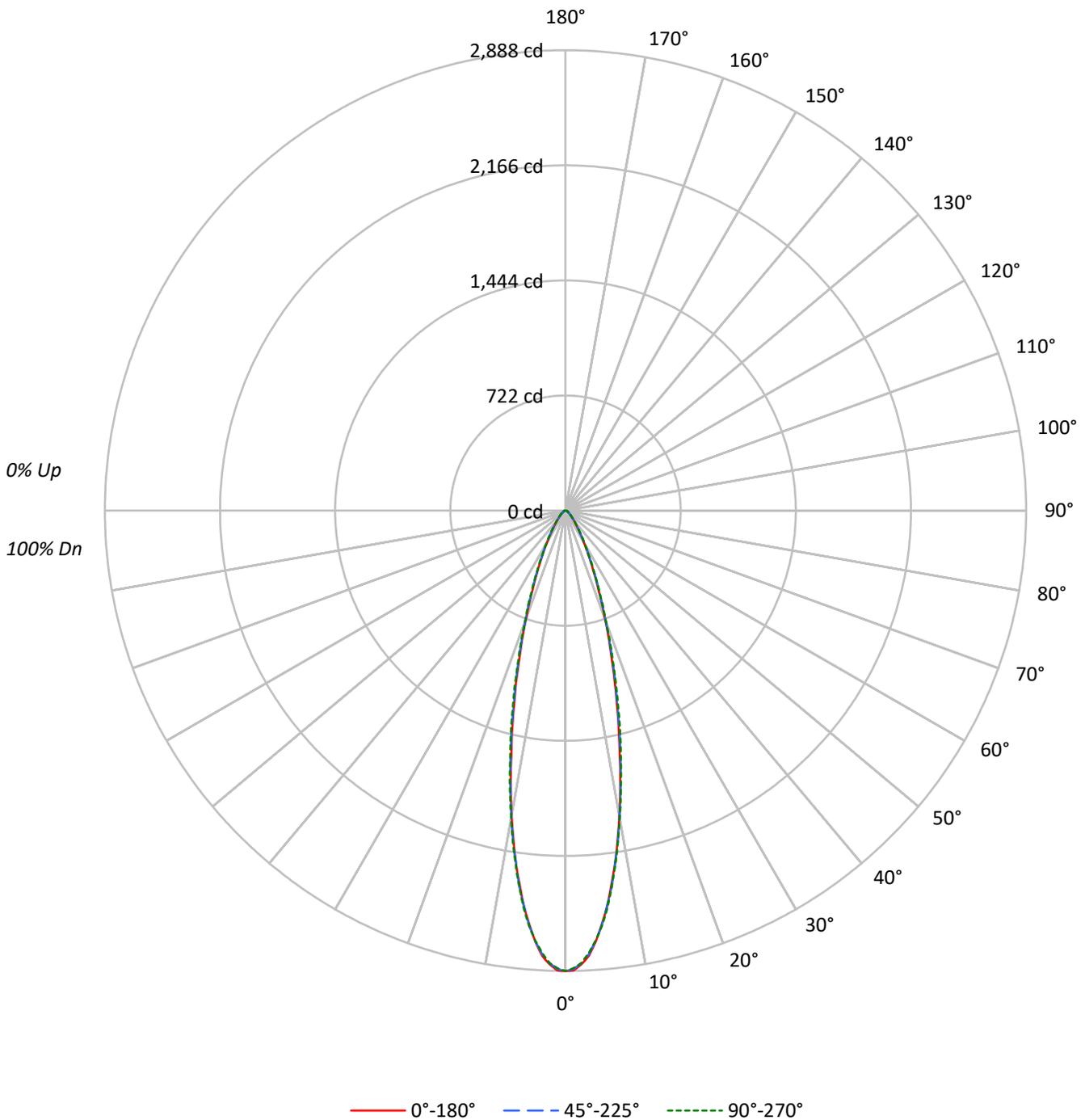
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 955.0 lumens  
Efficiency: N/A  
Efficacy: 46.8 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	62	61

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	497362	497362	497362
5°	450492	451339	451979
10°	340123	340980	342694
15°	220608	223015	227383
20°	132820	134396	136192
25°	77588	79222	80400
30°	45600	47071	47787
35°	28110	29140	29645
40°	18480	19020	19290
45°	12836	13152	13444
50°	9538	9860	10181
55°	7747	8107	8107
60°	6751	6751	6751
65°	5990	5990	5990
70°	4935	5539	5539
75°	4924	4924	4924
80°	3670	4860	4860
85°	2371	2371	2371

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 13444 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	227.5	23.8
10°-20°	347.8	36.4
20°-30°	197.7	20.7
30°-40°	90.2	9.4
40°-50°	43.3	4.5
50°-60°	24.2	2.5
60°-70°	14.8	1.5
70°-80°	7.9	0.8
80°-90°	1.7	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°	773.0	80.9
0°-40°	863.2	90.4
0°-60°	930.6	97.4
0°-90°	955.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	955.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2888	2888	2888	2888	2888	
5°	2606	2605	2611	2611	2614	227
15°	1237	1243	1251	1268	1275	343
25°	408	408	417	421	423	194
35°	134	136	139	141	141	88
45°	53	53	54	55	55	42
55°	26	26	27	27	27	24
65°	15	15	15	15	15	15
75°	7	7	7	7	7	8
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2887.9	2887.9	2887.9	2887.9	2887.9
1°	2885.4	2878.0	2875.6	2874.4	2871.9
2°	2848.6	2842.5	2841.3	2841.3	2840.0
3°	2797.1	2786.1	2787.3	2783.6	2779.9
4°	2710.0	2705.1	2707.6	2710.0	2705.1
5°	2605.8	2604.6	2610.7	2610.7	2614.4
6°	2497.9	2496.7	2493.0	2502.8	2507.7
7°	2360.6	2367.9	2377.7	2372.8	2376.5
8°	2235.5	2226.9	2230.6	2242.8	2244.1
9°	2088.3	2082.2	2098.1	2103.0	2104.3
10°	1944.9	1951.0	1949.8	1966.9	1959.6
12.5°	1570.8	1580.7	1591.7	1599.1	1606.4
15°	1237.3	1243.4	1250.8	1268.0	1275.3
17.5°	951.6	958.9	966.3	981.0	983.5
20°	724.7	728.4	733.3	746.8	743.1
22.5°	542.0	548.1	553.0	559.2	562.9
25°	408.3	408.3	416.9	420.6	423.1
27.5°	304.1	306.6	312.7	317.6	316.4
30°	229.3	233.0	236.7	239.1	240.3
32.5°	176.6	176.6	180.3	183.9	185.2
35°	133.7	136.1	138.6	141.0	141.0
37.5°	104.2	105.5	107.9	109.1	109.1
40°	82.2	82.2	84.6	85.8	85.8
42.5°	65.0	66.2	67.4	68.7	68.7
45°	52.7	52.7	54.0	55.2	55.2
47.5°	42.9	42.9	44.1	45.4	45.4
50°	35.6	36.8	36.8	38.0	38.0
52.5°	30.7	30.7	30.7	31.9	31.9
55°	25.8	25.8	27.0	27.0	27.0
57.5°	22.1	22.1	22.1	23.3	23.3
60°	19.6	19.6	19.6	19.6	19.6
62.5°	17.2	17.2	17.2	17.2	17.2
65°	14.7	14.7	14.7	14.7	14.7
67.5°	12.3	12.3	12.3	13.5	13.5
70°	9.8	11.0	11.0	11.0	11.0
72.5°	8.6	8.6	8.6	8.6	8.6
75°	7.4	7.4	7.4	7.4	7.4
77.5°	6.1	6.1	6.1	6.1	6.1
80°	3.7	4.9	4.9	4.9	4.9
82.5°	2.5	2.5	2.5	2.5	2.5
85°	1.2	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)