

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: P1311887

Luminaire Tested: LDSQA3D24R159040D010 3LSQPHRL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311887  
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: LDSQA3D24R159040D010 3LSQPHRL1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

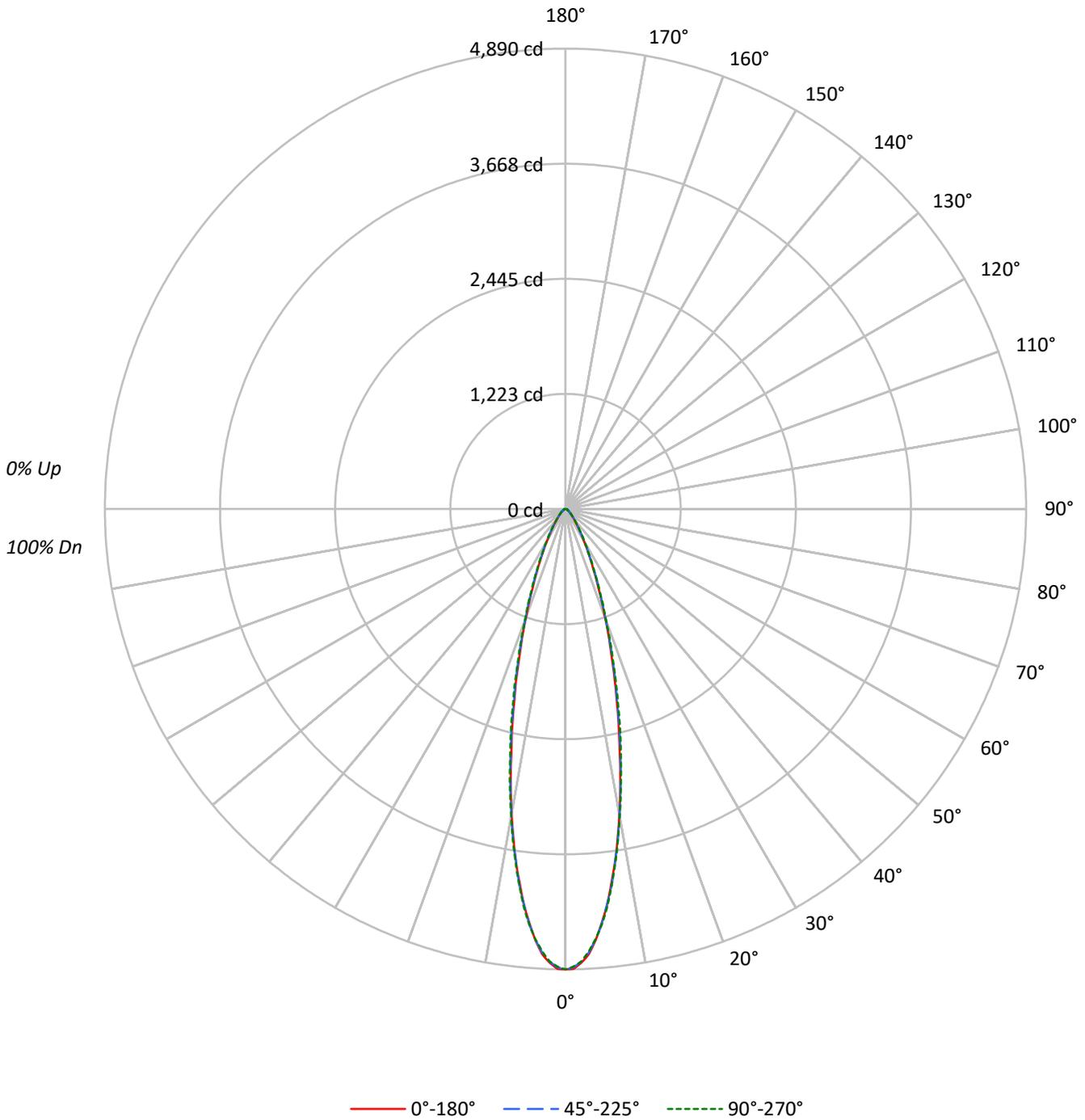
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1617.0 lumens  
Efficiency: N/A  
Efficacy: 56.1 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): 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				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°	842117	842117	842117
5°	762783	764218	765290
10°	575878	577330	580233
15°	373534	377599	385017
20°	224897	227555	230597
25°	131384	134140	136116
30°	77220	79685	80938
35°	47578	49323	50207
40°	31273	32217	32666
45°	21750	22261	22748
50°	16129	16692	17255
55°	13091	13722	13722
60°	11436	11436	11436
65°	10147	10147	10147
70°	8359	9416	9416
75°	8318	8318	8318
80°	6149	8232	8232
85°	4150	4150	4150

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 22748 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	385.2	23.8
10°-20°	588.9	36.4
20°-30°	334.7	20.7
30°-40°	152.7	9.4
40°-50°	73.3	4.5
50°-60°	41.0	2.5
60°-70°	25.1	1.5
70°-80°	13.4	0.8
80°-90°	2.9	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°	1308.8	80.9
0°-40°	1461.5	90.4
0°-60°	1575.7	97.4
0°-90°	1617.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1617.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4890	4890	4890	4890	4890	
5°	4412	4410	4420	4420	4427	385
15°	2095	2105	2118	2147	2159	581
25°	691	691	706	712	716	328
35°	226	230	235	239	239	149
45°	89	89	91	93	93	71
55°	44	44	46	46	46	40
65°	25	25	25	25	25	25
75°	12	12	12	12	12	13
85°	2	2	2	2	2	3
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4889.7	4889.7	4889.7	4889.7	4889.7
1°	4885.5	4873.1	4868.9	4866.9	4862.7
2°	4823.3	4812.9	4810.8	4810.8	4808.7
3°	4736.1	4717.4	4719.4	4713.2	4707.0
4°	4588.6	4580.3	4584.5	4588.6	4580.3
5°	4412.2	4410.1	4420.5	4420.5	4426.7
6°	4229.4	4227.4	4221.1	4237.7	4246.0
7°	3996.9	4009.3	4026.0	4017.7	4023.9
8°	3785.1	3770.6	3776.8	3797.6	3799.6
9°	3536.0	3525.6	3552.6	3560.9	3562.9
10°	3293.0	3303.4	3301.3	3330.4	3317.9
12.5°	2659.7	2676.4	2695.0	2707.5	2720.0
15°	2095.0	2105.4	2117.8	2146.9	2159.4
17.5°	1611.2	1623.7	1636.1	1661.0	1665.2
20°	1227.1	1233.3	1241.6	1264.5	1258.2
22.5°	917.7	928.1	936.4	946.8	953.0
25°	691.4	691.4	705.9	712.2	716.3
27.5°	514.9	519.1	529.5	537.8	535.7
30°	388.3	394.5	400.7	404.9	407.0
32.5°	299.0	299.0	305.2	311.4	313.5
35°	226.3	230.5	234.6	238.8	238.8
37.5°	176.5	178.6	182.7	184.8	184.8
40°	139.1	139.1	143.3	145.3	145.3
42.5°	110.0	112.1	114.2	116.3	116.3
45°	89.3	89.3	91.4	93.4	93.4
47.5°	72.7	72.7	74.7	76.8	76.8
50°	60.2	62.3	62.3	64.4	64.4
52.5°	51.9	51.9	51.9	54.0	54.0
55°	43.6	43.6	45.7	45.7	45.7
57.5°	37.4	37.4	37.4	39.4	39.4
60°	33.2	33.2	33.2	33.2	33.2
62.5°	29.1	29.1	29.1	29.1	29.1
65°	24.9	24.9	24.9	24.9	24.9
67.5°	20.8	20.8	20.8	22.8	22.8
70°	16.6	18.7	18.7	18.7	18.7
72.5°	14.5	14.5	14.5	14.5	14.5
75°	12.5	12.5	12.5	12.5	12.5
77.5°	10.4	10.4	10.4	10.4	10.4
80°	6.2	8.3	8.3	8.3	8.3
82.5°	4.2	4.2	4.2	4.2	4.2
85°	2.1	2.1	2.1	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)