

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: P1319788

Luminaire Tested: LDSQA3D05R209840DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319788
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R209840DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

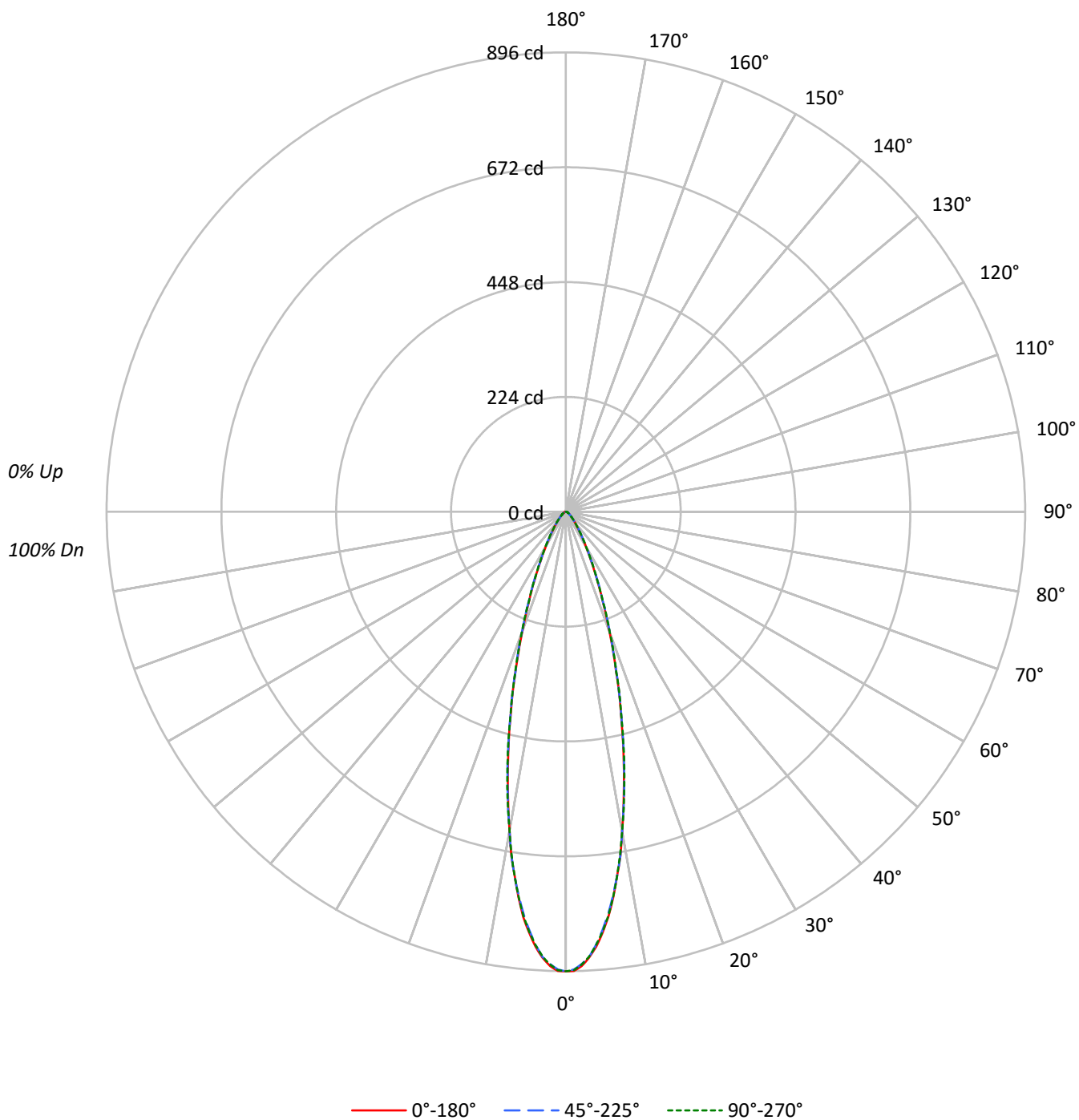
Lumens per Lamp: N/A
Luminaire Lumens: 315.0 lumens
Efficiency: N/A
Efficacy: 43.8 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	154380	154380	154380
5°	142419	141606	142073
10°	110524	110646	110646
15°	74707	75046	75046
20°	45361	45947	46149
25°	26604	26984	26908
30°	15531	15830	15909
35°	9482	9734	9734
40°	6183	6272	6340
45°	4311	4384	4481
50°	3162	3269	3269
55°	2462	2582	2582
60°	2170	2170	2308
65°	1915	1915	2078
70°	1762	1762	1762
75°	1597	1597	1597
80°	1190	1190	1587
85°	790	790	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4481 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	22.9
10°-20°	115.8	36.7
20°-30°	67.0	21.3
30°-40°	30.1	9.5
40°-50°	14.3	4.5
50°-60°	7.8	2.5
60°-70°	4.7	1.5
70°-80°	2.6	0.8
80°-90°	0.6	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°	255.1	81.0
0°-40°	285.1	90.5
0°-60°	307.2	97.5
0°-90°	315.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	315.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	896	896	896	896	896	
5°	824	821	819	821	822	72
15°	419	419	421	419	421	115
25°	140	140	142	141	142	66
35°	45	46	46	47	46	29
45°	18	18	18	18	18	14
55°	8	8	9	9	9	8
65°	5	5	5	5	5	5
75°	2	2	2	2	2	2
85°	0	0	0	0	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	896.4	896.4	896.4	896.4	896.4
1°	896.0	893.6	892.8	892.0	894.4
2°	886.9	884.2	882.6	883.4	883.8
3°	870.9	869.3	869.3	868.1	868.9
4°	850.1	846.9	846.9	847.3	847.3
5°	823.8	821.0	819.1	820.6	821.8
6°	794.4	790.8	789.3	789.7	792.4
7°	758.3	753.6	754.4	756.3	756.3
8°	717.5	717.1	717.9	717.1	717.9
9°	679.8	674.3	679.0	675.1	677.1
10°	632.0	631.6	632.7	633.9	632.7
12.5°	522.9	524.9	525.7	524.1	527.6
15°	419.0	419.0	420.9	419.0	420.9
17.5°	326.0	325.6	327.2	325.6	327.9
20°	247.5	250.3	250.7	250.7	251.8
22.5°	186.7	186.7	188.3	188.7	187.9
25°	140.0	140.0	142.0	140.8	141.6
27.5°	103.6	104.3	105.9	106.7	106.7
30°	78.1	78.5	79.6	80.0	80.0
32.5°	58.8	59.6	60.4	60.8	61.2
35°	45.1	45.5	46.3	46.7	46.3
37.5°	34.5	34.9	35.7	36.1	36.1
40°	27.5	27.5	27.9	28.2	28.2
42.5°	21.6	22.0	22.0	22.4	22.4
45°	17.7	17.7	18.0	18.0	18.4
47.5°	14.1	14.1	14.5	14.9	14.9
50°	11.8	11.8	12.2	12.2	12.2
52.5°	9.8	9.8	10.2	10.2	10.2
55°	8.2	8.2	8.6	8.6	8.6
57.5°	7.1	7.1	7.5	7.5	7.5
60°	6.3	6.3	6.3	6.3	6.7
62.5°	5.5	5.5	5.5	5.5	5.5
65°	4.7	4.7	4.7	4.7	5.1
67.5°	3.9	3.9	3.9	3.9	4.3
70°	3.5	3.5	3.5	3.5	3.5
72.5°	2.7	2.7	2.7	3.1	3.1
75°	2.4	2.4	2.4	2.4	2.4
77.5°	2.0	2.0	2.0	2.0	2.0
80°	1.2	1.2	1.2	1.6	1.6
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)