

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: P1317505

Luminaire Tested: LDSQA3D13R359827DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317505
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R359827DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

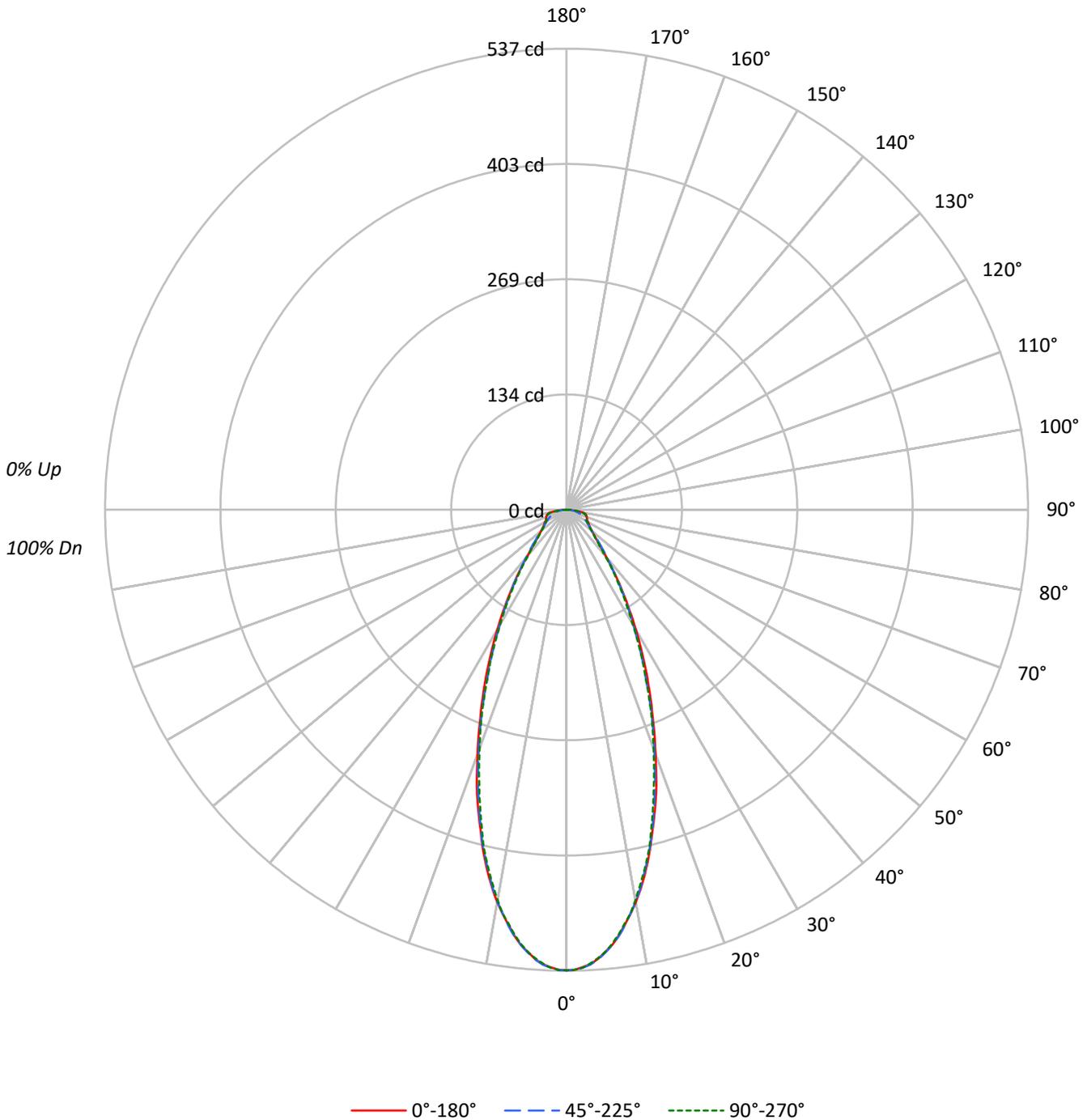
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 444.0 lumens
Efficiency: N/A
Efficacy: 30.6 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
Input Voltage (V): NR
Input Current (A_{in}): 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	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	74	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	65	62	62	62	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	57	57	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	54	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	50	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	47	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	44	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	92415	92415	92415
5°	89379	89500	89379
10°	81197	81074	80724
15°	68930	68680	68092
20°	55496	54744	54250
25°	42889	41616	41616
30°	31997	30924	30645
35°	23022	22727	22160
40°	16097	16569	15490
45°	12007	12665	11691
50°	10315	10315	10128
55°	9728	9338	9548
60°	10023	9093	9541
65°	10758	9088	10473
70°	12589	9517	12236
75°	15770	9915	15305
80°	20133	10711	18051
85°	16006	10671	16006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 20133 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.7	10.7
10°-20°	106.4	24.0
20°-30°	101.6	22.9
30°-40°	68.2	15.4
40°-50°	40.0	9.0
50°-60°	28.6	6.5
60°-70°	23.9	5.4
70°-80°	19.5	4.4
80°-90°	8.1	1.8
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°	255.6	57.6
0°-40°	323.8	72.9
0°-60°	392.5	88.4
0°-90°	444.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	444.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	537	537	537	537	537	
5°	517	518	518	517	517	48
15°	387	387	385	382	382	107
25°	226	223	219	219	219	104
35°	110	110	108	106	105	69
45°	49	51	52	49	48	40
55°	32	32	31	31	32	29
65°	26	24	22	24	26	26
75°	24	18	15	18	23	25
85°	8	9	5	9	8	9
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	536.6	536.6	536.6	536.6	536.6
1°	536.0	536.6	536.6	536.0	536.0
2°	533.3	534.6	533.9	533.3	533.9
3°	529.9	531.2	530.6	529.9	529.2
4°	524.5	525.8	525.2	523.8	523.8
5°	517.0	518.4	517.7	517.0	517.0
6°	509.6	511.0	509.6	508.3	508.3
7°	499.5	501.5	500.1	498.8	498.1
8°	488.0	490.0	488.7	488.0	486.6
9°	476.5	477.8	475.8	475.8	475.8
10°	464.3	465.0	463.6	461.6	461.6
11°	450.8	450.1	449.5	448.1	446.7
12°	435.9	435.9	433.9	432.6	431.9
13°	420.4	419.7	418.4	417.0	417.0
14°	404.2	404.2	402.8	400.1	400.8
15°	386.6	387.3	385.2	382.5	381.9
17.5°	346.7	345.4	342.0	340.0	337.9
20°	302.8	302.1	298.7	296.7	296.0
22.5°	262.2	261.6	258.2	256.2	257.5
25°	225.7	223.0	219.0	219.0	219.0
27.5°	191.9	188.6	185.9	184.5	185.9
30°	160.9	158.2	155.5	154.8	154.1
32.5°	133.1	131.8	130.4	128.4	128.4
35°	109.5	109.5	108.1	106.1	105.4
37.5°	89.2	89.9	89.2	87.2	86.5
40°	71.6	73.0	73.7	71.6	68.9
42.5°	58.8	60.8	62.2	58.8	56.8
45°	49.3	50.7	52.0	49.3	48.0
47.5°	43.3	43.9	44.6	42.6	41.9
50°	38.5	38.5	38.5	37.8	37.8
52.5°	35.1	35.1	34.5	33.8	33.8
55°	32.4	31.8	31.1	31.1	31.8
57.5°	30.4	29.7	28.4	29.1	29.7
60°	29.1	27.7	26.4	27.0	27.7
62.5°	27.0	25.7	24.3	25.0	26.4
65°	26.4	23.7	22.3	23.7	25.7
67.5°	25.7	22.3	20.3	22.3	25.0
70°	25.0	21.0	18.9	21.0	24.3
72.5°	24.3	19.6	16.9	19.6	23.7
75°	23.7	18.2	14.9	18.2	23.0
77.5°	22.3	16.9	12.8	16.9	21.0
80°	20.3	15.5	10.8	14.9	18.2
82.5°	14.9	12.8	8.8	12.8	13.5
85°	8.1	8.8	5.4	8.8	8.1
87.5°	0.7	1.4	1.4	4.1	2.7



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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)