

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: P1311456

Luminaire Tested: LDSQA3D13R209040DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311456
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R209040DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

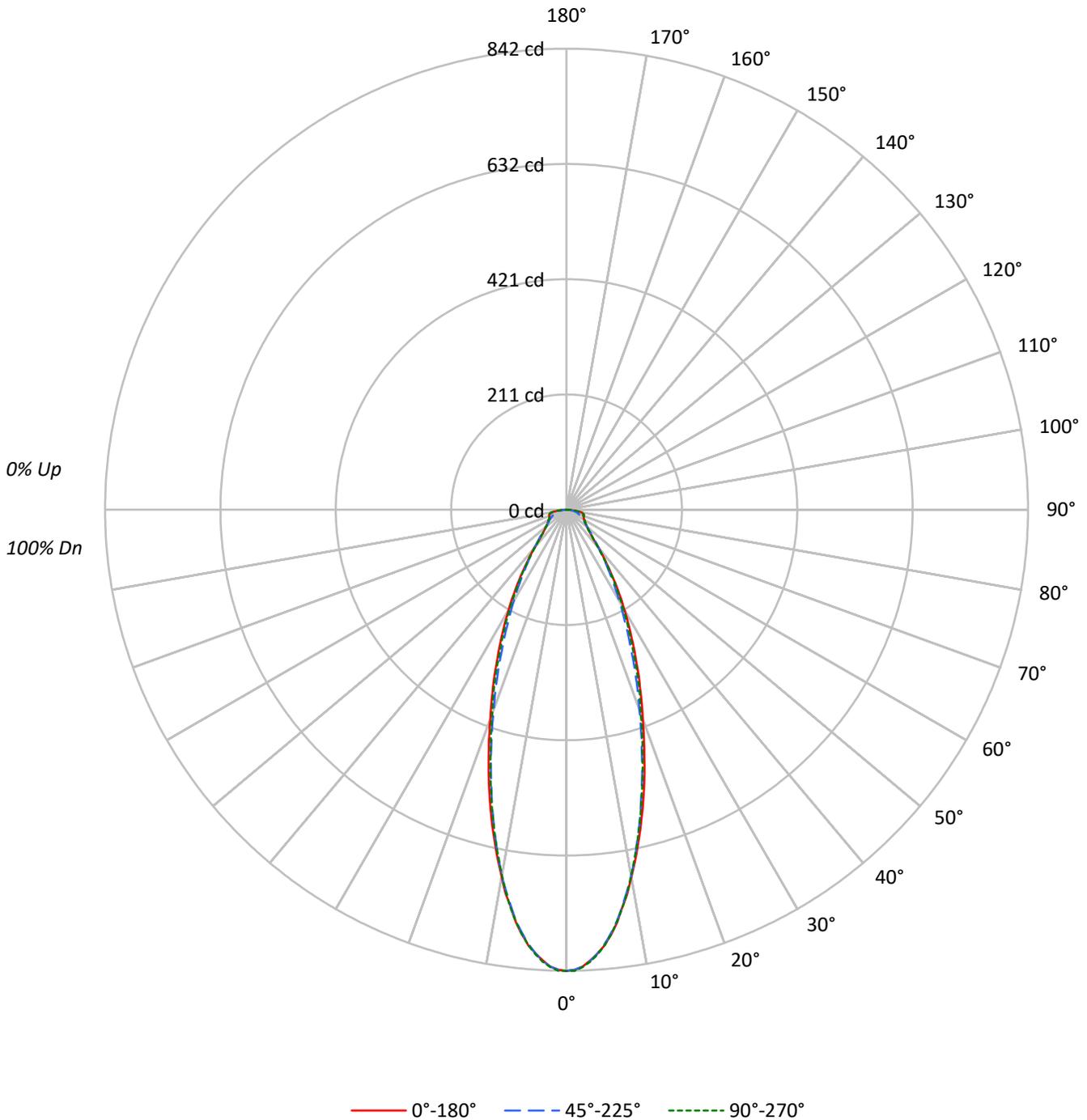
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 594.0 lumens
Efficiency: N/A
Efficacy: 40.7 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	74	74	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	59	59	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	55	55	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	51	51	51	50
9	71	60	53	49	69	59	53	49	58	53	49	57	52	49	57	52	48	48	48	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	46	46	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	145063	145063	145063
5°	138028	137665	138028
10°	119163	118796	118603
15°	96709	94462	94837
20°	74501	71239	72595
25°	56590	52428	55013
30°	41981	38242	40728
35°	29666	27689	29224
40°	20436	20436	19964
45°	15028	15783	15028
50°	13155	13155	13155
55°	12551	12251	12551
60°	12951	11883	12951
65°	14059	11940	14059
70°	16818	12085	16818
75°	21560	13242	21560
80°	26977	13488	25886
85°	20748	12449	22724

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 26977 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	12.2
10°-20°	147.5	24.8
20°-30°	131.7	22.2
30°-40°	86.4	14.6
40°-50°	50.3	8.5
50°-60°	37.3	6.3
60°-70°	31.5	5.3
70°-80°	26.0	4.4
80°-90°	10.9	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
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0°-30°	351.6	59.2
0°-40°	438.0	73.7
0°-60°	525.6	88.5
0°-90°	594.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	594.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	842	842	842	842	842	
5°	798	797	796	797	798	72
15°	542	537	530	531	532	150
25°	298	290	276	283	290	137
35°	141	137	132	136	139	90
45°	62	63	65	63	62	50
55°	42	41	41	41	42	38
65°	34	31	29	31	34	34
75°	32	24	20	24	32	33
85°	10	12	6	12	12	12
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	842.3	842.3	842.3	842.3	842.3
1°	840.2	841.2	840.2	841.2	842.3
2°	835.0	836.0	835.0	835.0	836.0
3°	824.5	825.6	825.6	825.6	826.6
4°	812.0	813.0	812.0	813.0	814.1
5°	798.4	797.4	796.3	797.4	798.4
6°	779.6	778.5	777.5	778.5	779.6
7°	758.7	757.6	756.6	756.6	757.6
8°	732.6	733.6	730.5	732.6	733.6
9°	709.6	707.5	705.4	705.4	707.5
10°	681.4	679.3	679.3	678.2	678.2
12.5°	612.4	608.2	605.1	605.1	606.1
15°	542.4	537.1	529.8	530.9	531.9
17.5°	472.4	466.1	456.7	458.8	460.9
20°	406.5	400.2	388.7	392.9	396.1
22.5°	350.1	340.7	330.2	333.4	343.8
25°	297.8	289.5	275.9	283.2	289.5
27.5°	251.9	242.4	231.0	238.3	244.5
30°	211.1	202.7	192.3	198.6	204.8
32.5°	174.5	167.2	159.9	164.1	169.3
35°	141.1	136.9	131.7	135.9	139.0
37.5°	113.9	111.8	109.7	111.8	110.8
40°	90.9	92.0	90.9	90.9	88.8
42.5°	72.1	75.2	76.3	74.2	72.1
45°	61.7	62.7	64.8	62.7	61.7
47.5°	54.3	54.3	55.4	54.3	53.3
50°	49.1	49.1	49.1	49.1	49.1
52.5°	44.9	44.9	43.9	44.9	44.9
55°	41.8	40.8	40.8	40.8	41.8
57.5°	39.7	38.7	37.6	38.7	39.7
60°	37.6	35.5	34.5	35.5	37.6
62.5°	35.5	33.4	32.4	33.4	35.5
65°	34.5	31.4	29.3	31.4	34.5
67.5°	33.4	29.3	27.2	29.3	34.5
70°	33.4	27.2	24.0	28.2	33.4
72.5°	32.4	26.1	21.9	26.1	32.4
75°	32.4	24.0	19.9	24.0	32.4
77.5°	30.3	21.9	16.7	21.9	30.3
80°	27.2	19.9	13.6	19.9	26.1
82.5°	19.9	16.7	10.5	16.7	19.9
85°	10.5	11.5	6.3	11.5	11.5
87.5°	1.0	4.2	2.1	6.3	5.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)