

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: P1316904

Luminaire Tested: LDSQA3D20R309740D010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316904
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R309740D010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

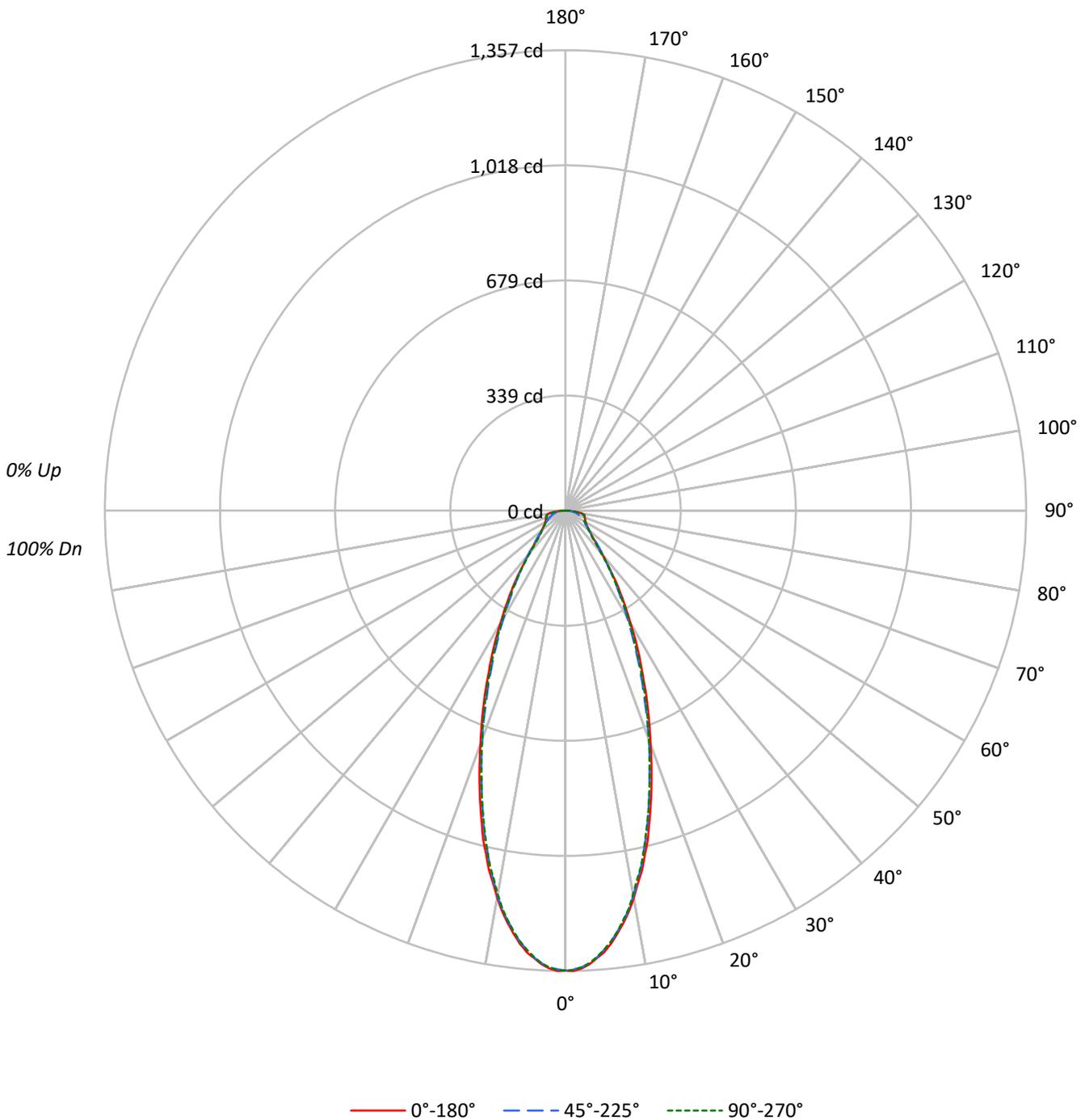
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1069.0 lumens
Efficiency: N/A
Efficacy: 37.1 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
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 (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	100		
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89		
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56		
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	52		
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49		
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46		
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	43		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	233465	233465	233465
5°	225868	224727	224727
10°	202703	201566	200709
15°	169900	167261	166976
20°	134121	131427	131427
25°	102671	98624	100486
30°	76185	72288	73898
35°	55084	52666	53003
40°	37905	38647	36803
45°	28302	29519	27108
50°	24569	24114	24114
55°	23090	22129	22610
60°	23698	22010	23112
65°	26040	22006	25347
70°	30515	22257	29659
75°	39193	23955	38128
80°	48697	25985	45424
85°	38730	25886	35569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 48697 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.5	11.2
10°-20°	259.9	24.3
20°-30°	242.2	22.7
30°-40°	160.7	15.0
40°-50°	93.6	8.8
50°-60°	68.1	6.4
60°-70°	57.6	5.4
70°-80°	47.7	4.5
80°-90°	19.8	1.9
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°	621.6	58.2
0°-40°	782.3	73.2
0°-60°	944.0	88.3
0°-90°	1069.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1069.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1356	1356	1356	1356	1356	
5°	1306	1305	1300	1300	1300	120
15°	953	943	938	936	936	263
25°	540	530	519	521	529	249
35°	262	257	250	252	252	165
45°	116	118	121	115	111	93
55°	77	75	74	75	75	70
65°	64	57	54	57	62	64
75°	59	44	36	44	57	60
85°	20	23	13	21	18	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1355.6	1355.6	1355.6	1355.6	1355.6
1°	1357.2	1355.6	1352.3	1354.0	1354.0
2°	1350.7	1349.1	1347.4	1347.4	1347.4
3°	1339.2	1337.6	1336.0	1336.0	1336.0
4°	1322.9	1321.2	1321.2	1319.6	1319.6
5°	1306.5	1304.8	1299.9	1299.9	1299.9
6°	1283.6	1281.9	1278.7	1277.0	1277.0
7°	1255.7	1255.7	1250.8	1249.2	1250.8
8°	1226.3	1224.6	1221.4	1219.7	1219.7
9°	1195.2	1190.2	1190.2	1185.3	1188.6
10°	1159.1	1155.9	1152.6	1149.3	1147.7
11°	1118.2	1116.6	1111.7	1108.4	1106.7
12°	1083.8	1075.6	1072.4	1067.5	1070.7
13°	1039.6	1034.7	1026.5	1024.9	1026.5
14°	1002.0	992.1	985.6	982.3	980.7
15°	952.9	943.0	938.1	936.5	936.5
17.5°	843.2	836.6	823.5	823.5	823.5
20°	731.8	725.3	717.1	715.5	717.1
22.5°	635.2	623.8	610.7	612.3	622.1
25°	540.3	530.5	519.0	520.6	528.8
27.5°	460.1	447.0	435.5	438.8	443.7
30°	383.1	374.9	363.5	366.7	371.6
32.5°	317.6	312.7	299.6	302.9	307.8
35°	262.0	257.0	250.5	252.1	252.1
37.5°	209.6	209.6	207.9	206.3	204.7
40°	168.6	171.9	171.9	167.0	163.7
42.5°	137.5	140.8	144.1	137.5	132.6
45°	116.2	117.9	121.2	114.6	111.3
47.5°	101.5	101.5	104.8	99.9	98.2
50°	91.7	91.7	90.0	88.4	90.0
52.5°	83.5	81.9	80.2	81.9	81.9
55°	76.9	75.3	73.7	75.3	75.3
57.5°	72.0	70.4	68.8	68.8	70.4
60°	68.8	65.5	63.9	65.5	67.1
62.5°	65.5	60.6	58.9	60.6	63.9
65°	63.9	57.3	54.0	57.3	62.2
67.5°	62.2	54.0	49.1	54.0	60.6
70°	60.6	50.8	44.2	50.8	58.9
72.5°	58.9	47.5	40.9	47.5	58.9
75°	58.9	44.2	36.0	44.2	57.3
77.5°	55.7	40.9	31.1	40.9	54.0
80°	49.1	37.7	26.2	36.0	45.8
82.5°	36.0	32.7	19.6	31.1	34.4
85°	19.6	22.9	13.1	21.3	18.0
87.5°	3.3	4.9	3.3	9.8	6.5



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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)