

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: P1311598

Luminaire Tested: LDSQA3D17R159040DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311598
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R159040DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

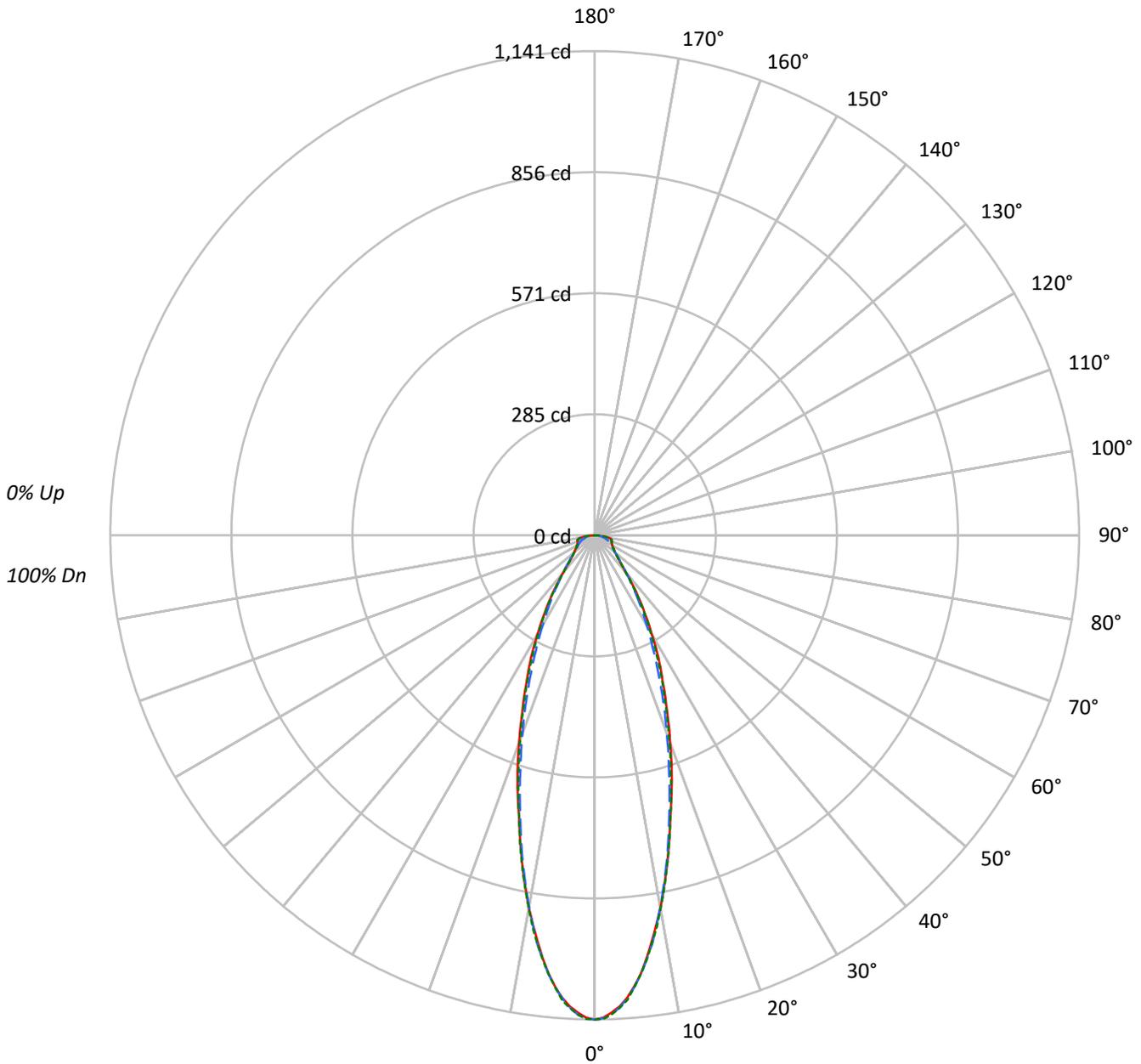
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 765.0 lumens
Efficiency: N/A
Efficacy: 36.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	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	86	81	77	83	79	76	81	77	74	74	74	74	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	63	63	63	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	59	59	59	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	55	55	55	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	49	49	49	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	46	46	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	196523	196523	196523
5°	184585	184809	184809
10°	155923	155433	156395
15°	122616	120886	122865
20°	95303	90978	94020
25°	71925	66927	70880
30°	53495	48802	52381
35°	38180	35573	37613
40°	25877	26192	25562
45°	19241	20264	19241
50°	16719	16719	16719
55°	16244	15403	16244
60°	16706	15293	16223
65°	18094	15812	18094
70°	21652	16063	21652
75°	27681	16635	27681
80°	34415	17852	33027
85°	27467	16401	30233

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 34415 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.3	12.6
10°-20°	190.3	24.9
20°-30°	168.2	22.0
30°-40°	110.5	14.4
40°-50°	64.6	8.4
50°-60°	47.5	6.2
60°-70°	40.5	5.3
70°-80°	33.4	4.4
80°-90°	13.9	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
0°-30°	454.7	59.4
0°-40°	565.1	73.9
0°-60°	677.2	88.5
0°-90°	765.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	765.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1141	1141	1141	1141	1141	
5°	1068	1068	1069	1070	1069	96
15°	688	688	678	686	689	192
25°	378	366	352	362	373	175
35°	182	175	169	173	179	115
45°	79	80	83	80	79	64
55°	54	53	51	53	54	49
65°	44	40	39	40	44	44
75°	42	30	25	32	42	43
85°	14	15	8	14	15	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1141.1	1141.1	1141.1	1141.1	1141.1
1°	1137.0	1138.4	1138.4	1139.8	1139.8
2°	1125.9	1128.7	1130.1	1130.1	1130.1
3°	1112.0	1113.4	1114.8	1116.2	1116.2
4°	1092.6	1094.0	1094.0	1096.8	1098.2
5°	1067.7	1067.7	1069.0	1070.4	1069.0
6°	1038.5	1038.5	1039.9	1039.9	1039.9
7°	1003.9	1005.3	1006.7	1008.0	1006.7
8°	966.4	967.8	972.0	972.0	970.6
9°	929.0	930.4	930.4	934.5	934.5
10°	891.6	891.6	888.8	891.6	894.3
12.5°	790.3	789.0	784.8	789.0	791.7
15°	687.7	687.7	678.0	686.4	689.1
17.5°	604.5	592.1	582.4	590.7	597.6
20°	520.0	507.5	496.4	504.7	513.0
22.5°	443.7	434.0	420.1	428.5	438.2
25°	378.5	366.1	352.2	361.9	373.0
27.5°	324.5	307.8	294.0	305.0	314.8
30°	269.0	257.9	245.4	253.7	263.4
32.5°	221.9	213.5	203.8	210.8	219.1
35°	181.6	174.7	169.2	173.3	178.9
37.5°	145.6	142.8	140.0	141.4	141.4
40°	115.1	116.5	116.5	116.5	113.7
42.5°	94.3	95.7	98.4	95.7	94.3
45°	79.0	80.4	83.2	80.4	79.0
47.5°	69.3	70.7	72.1	69.3	69.3
50°	62.4	62.4	62.4	62.4	62.4
52.5°	58.2	56.8	56.8	56.8	58.2
55°	54.1	52.7	51.3	52.7	54.1
57.5°	49.9	48.5	47.1	48.5	49.9
60°	48.5	45.8	44.4	45.8	47.1
62.5°	45.8	43.0	41.6	43.0	45.8
65°	44.4	40.2	38.8	40.2	44.4
67.5°	43.0	37.4	34.7	37.4	43.0
70°	43.0	34.7	31.9	36.1	43.0
72.5°	41.6	33.3	27.7	33.3	41.6
75°	41.6	30.5	25.0	31.9	41.6
77.5°	38.8	27.7	20.8	29.1	38.8
80°	34.7	25.0	18.0	26.3	33.3
82.5°	25.0	20.8	13.9	20.8	25.0
85°	13.9	15.3	8.3	13.9	15.3
87.5°	1.4	4.2	2.8	8.3	6.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)