

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: P1310011

Luminaire Tested: LDSQA3D05R209035DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310011
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: LDSQA3D05R209035DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

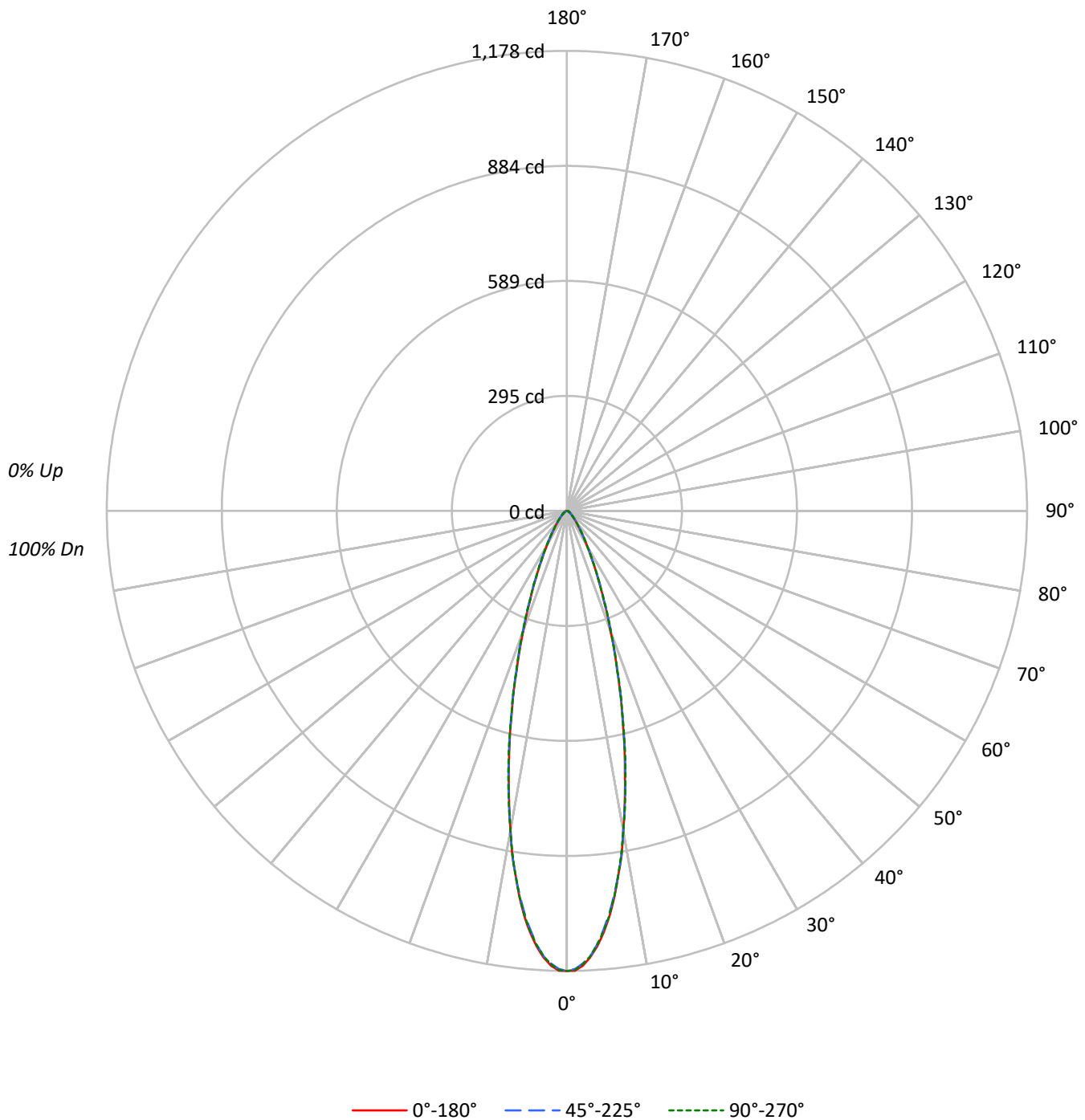
Lumens per Lamp: N/A
Luminaire Lumens: 414.0 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	77	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	70	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	67	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	64	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	202895	202895	202895
5°	187178	186106	186728
10°	145255	145430	145430
15°	98171	98634	98634
20°	59620	60371	60664
25°	34984	35459	35364
30°	20404	20821	20921
35°	12468	12783	12783
40°	8116	8228	8341
45°	5651	5772	5894
50°	4153	4287	4287
55°	3243	3393	3393
60°	2824	2824	3031
65°	2527	2527	2730
70°	2316	2316	2316
75°	2063	2063	2063
80°	1488	1488	2083
85°	988	988	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5894 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.0	22.9
10°-20°	152.1	36.7
20°-30°	88.1	21.3
30°-40°	39.5	9.5
40°-50°	18.7	4.5
50°-60°	10.2	2.5
60°-70°	6.2	1.5
70°-80°	3.3	0.8
80°-90°	0.7	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°	335.2	81.0
0°-40°	374.7	90.5
0°-60°	403.7	97.5
0°-90°	414.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	414.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1178	1178	1178	1178	1178	
5°	1083	1079	1076	1079	1080	95
15°	551	551	553	551	553	152
25°	184	184	187	185	186	87
35°	59	60	61	61	61	39
45°	23	23	24	24	24	18
55°	11	11	11	11	11	10
65°	6	6	6	6	7	6
75°	3	3	3	3	3	3
85°	0	0	0	0	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1178.1	1178.1	1178.1	1178.1	1178.1
1°	1177.6	1174.5	1173.4	1172.4	1175.5
2°	1165.7	1162.1	1160.0	1161.1	1161.6
3°	1144.6	1142.5	1142.5	1140.9	1142.0
4°	1117.2	1113.1	1113.1	1113.6	1113.6
5°	1082.7	1079.1	1076.5	1078.6	1080.1
6°	1044.0	1039.4	1037.3	1037.8	1041.4
7°	996.6	990.4	991.4	994.0	994.0
8°	943.0	942.5	943.5	942.5	943.5
9°	893.5	886.3	892.4	887.3	889.9
10°	830.6	830.1	831.6	833.2	831.6
12.5°	687.2	689.8	690.9	688.8	693.4
15°	550.6	550.6	553.2	550.6	553.2
17.5°	428.4	427.9	430.0	427.9	431.0
20°	325.3	328.9	329.4	329.4	331.0
22.5°	245.4	245.4	247.5	248.0	247.0
25°	184.1	184.1	186.6	185.1	186.1
27.5°	136.1	137.1	139.2	140.2	140.2
30°	102.6	103.1	104.7	105.2	105.2
32.5°	77.3	78.4	79.4	79.9	80.4
35°	59.3	59.8	60.8	61.4	60.8
37.5°	45.4	45.9	46.9	47.4	47.4
40°	36.1	36.1	36.6	37.1	37.1
42.5°	28.4	28.9	28.9	29.4	29.4
45°	23.2	23.2	23.7	23.7	24.2
47.5°	18.6	18.6	19.1	19.6	19.6
50°	15.5	15.5	16.0	16.0	16.0
52.5°	12.9	12.9	13.4	13.4	13.4
55°	10.8	10.8	11.3	11.3	11.3
57.5°	9.3	9.3	9.8	9.8	9.8
60°	8.2	8.2	8.2	8.2	8.8
62.5°	7.2	7.2	7.2	7.2	7.2
65°	6.2	6.2	6.2	6.2	6.7
67.5°	5.2	5.2	5.2	5.2	5.7
70°	4.6	4.6	4.6	4.6	4.6
72.5°	3.6	3.6	3.6	4.1	4.1
75°	3.1	3.1	3.1	3.1	3.1
77.5°	2.6	2.6	2.6	2.6	2.6
80°	1.5	1.5	1.5	2.1	2.1
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)