

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: P1316224

Luminaire Tested: LDSQA3D05R159740DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

**Test Information**

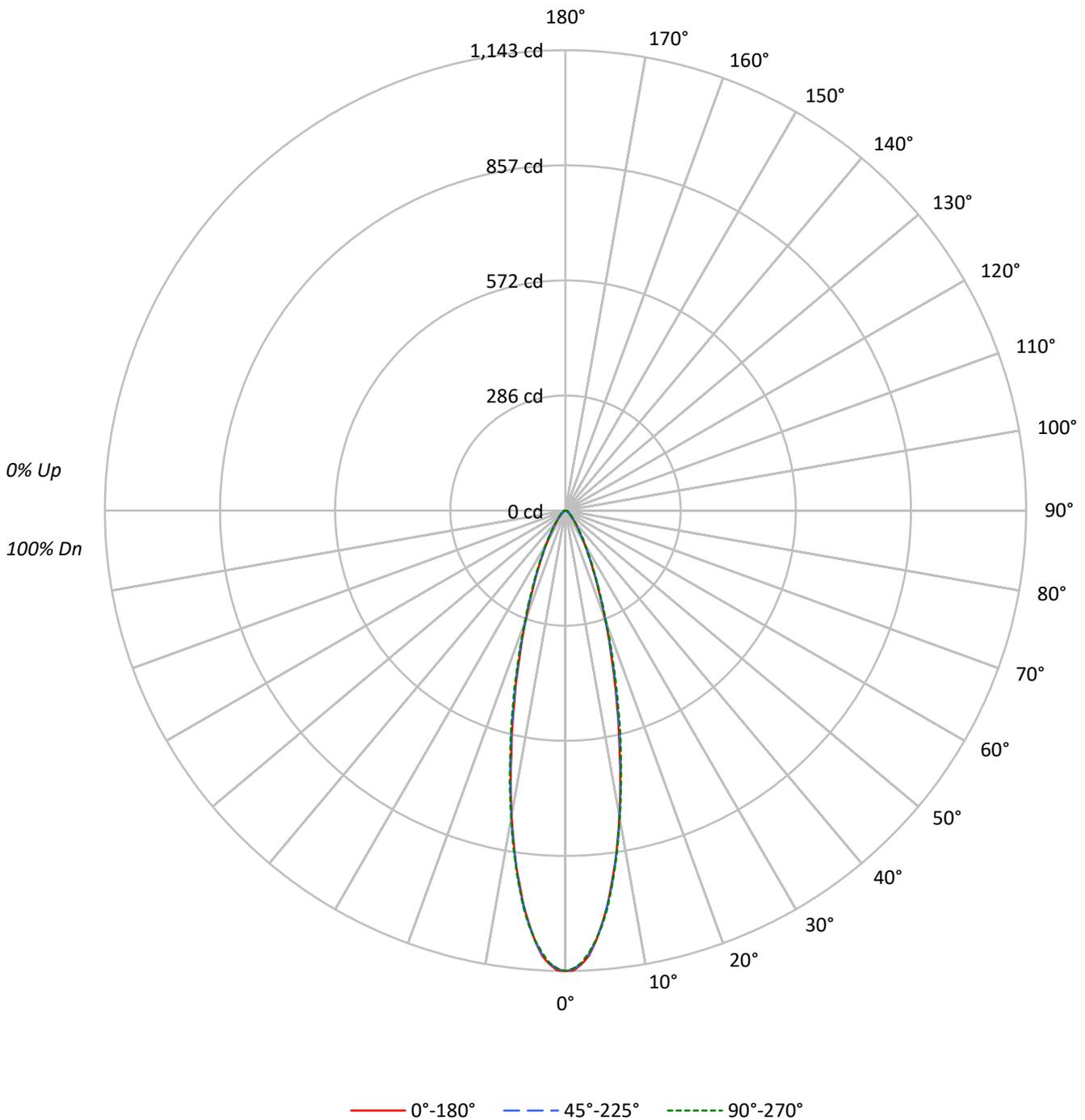
Test Method: LM-79-2019  
Report Number: P1316224  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R159740DE010 3LSQPHRL1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , 3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 378.0 lumens  
Efficiency: N/A  
Efficacy: 52.5 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48  
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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CATALOG NUMBER: LDSQA3D05R159740DE010 3LSQPHRL1MB

### Luminous Intensity Polar Plot





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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	196850	196850	196850
5°	178309	178655	178897
10°	134622	134954	135637
15°	87313	88275	90005
20°	52582	53205	53901
25°	30708	31354	31829
30°	18057	18634	18912
35°	11122	11521	11732
40°	7307	7531	7644
45°	5090	5212	5310
50°	3778	3912	4019
55°	3063	3213	3213
60°	2687	2687	2687
65°	2364	2364	2364
70°	1964	2216	2216
75°	1930	1930	1930
80°	1488	1884	1884
85°	988	988	988

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 5310 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.0	23.8
10°-20°	137.7	36.4
20°-30°	78.2	20.7
30°-40°	35.7	9.4
40°-50°	17.1	4.5
50°-60°	9.6	2.5
60°-70°	5.9	1.6
70°-80°	3.1	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
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0°-30°	306.0	80.9
0°-40°	341.6	90.4
0°-60°	368.4	97.4
0°-90°	378.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	378.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1143	1143	1143	1143	1143	
5°	1031	1031	1033	1033	1035	90
15°	490	492	495	502	505	136
25°	162	162	165	166	168	77
35°	53	54	55	56	56	35
45°	21	21	21	22	22	17
55°	10	10	11	11	11	9
65°	6	6	6	6	6	6
75°	3	3	3	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1143.0	1143.0	1143.0	1143.0	1143.0
1°	1142.1	1139.2	1138.2	1137.7	1136.7
2°	1127.5	1125.1	1124.6	1124.6	1124.1
3°	1107.1	1102.8	1103.2	1101.8	1100.3
4°	1072.7	1070.7	1071.7	1072.7	1070.7
5°	1031.4	1030.9	1033.4	1033.4	1034.8
6°	988.7	988.2	986.8	990.6	992.6
7°	934.3	937.3	941.1	939.2	940.6
8°	884.8	881.4	882.9	887.7	888.2
9°	826.6	824.2	830.5	832.4	832.9
10°	769.8	772.2	771.7	778.5	775.6
12.5°	621.8	625.6	630.0	632.9	635.8
15°	489.7	492.2	495.1	501.9	504.8
17.5°	376.6	379.6	382.5	388.3	389.3
20°	286.9	288.3	290.3	295.6	294.1
22.5°	214.5	217.0	218.9	221.3	222.8
25°	161.6	161.6	165.0	166.5	167.5
27.5°	120.4	121.3	123.8	125.7	125.2
30°	90.8	92.2	93.7	94.6	95.1
32.5°	69.9	69.9	71.3	72.8	73.3
35°	52.9	53.9	54.8	55.8	55.8
37.5°	41.3	41.7	42.7	43.2	43.2
40°	32.5	32.5	33.5	34.0	34.0
42.5°	25.7	26.2	26.7	27.2	27.2
45°	20.9	20.9	21.4	21.8	21.8
47.5°	17.0	17.0	17.5	18.0	18.0
50°	14.1	14.6	14.6	15.0	15.0
52.5°	12.1	12.1	12.1	12.6	12.6
55°	10.2	10.2	10.7	10.7	10.7
57.5°	8.7	8.7	8.7	9.2	9.2
60°	7.8	7.8	7.8	7.8	7.8
62.5°	6.8	6.8	6.8	6.8	6.8
65°	5.8	5.8	5.8	5.8	5.8
67.5°	4.9	4.9	4.9	5.3	5.3
70°	3.9	4.4	4.4	4.4	4.4
72.5°	3.4	3.4	3.4	3.4	3.4
75°	2.9	2.9	2.9	2.9	2.9
77.5°	2.4	2.4	2.4	2.4	2.4
80°	1.5	1.9	1.9	1.9	1.9
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)