

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: IRiS

Report Number: P1313130

Luminaire Tested: P3SQAS05R459730DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313130
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R459730DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

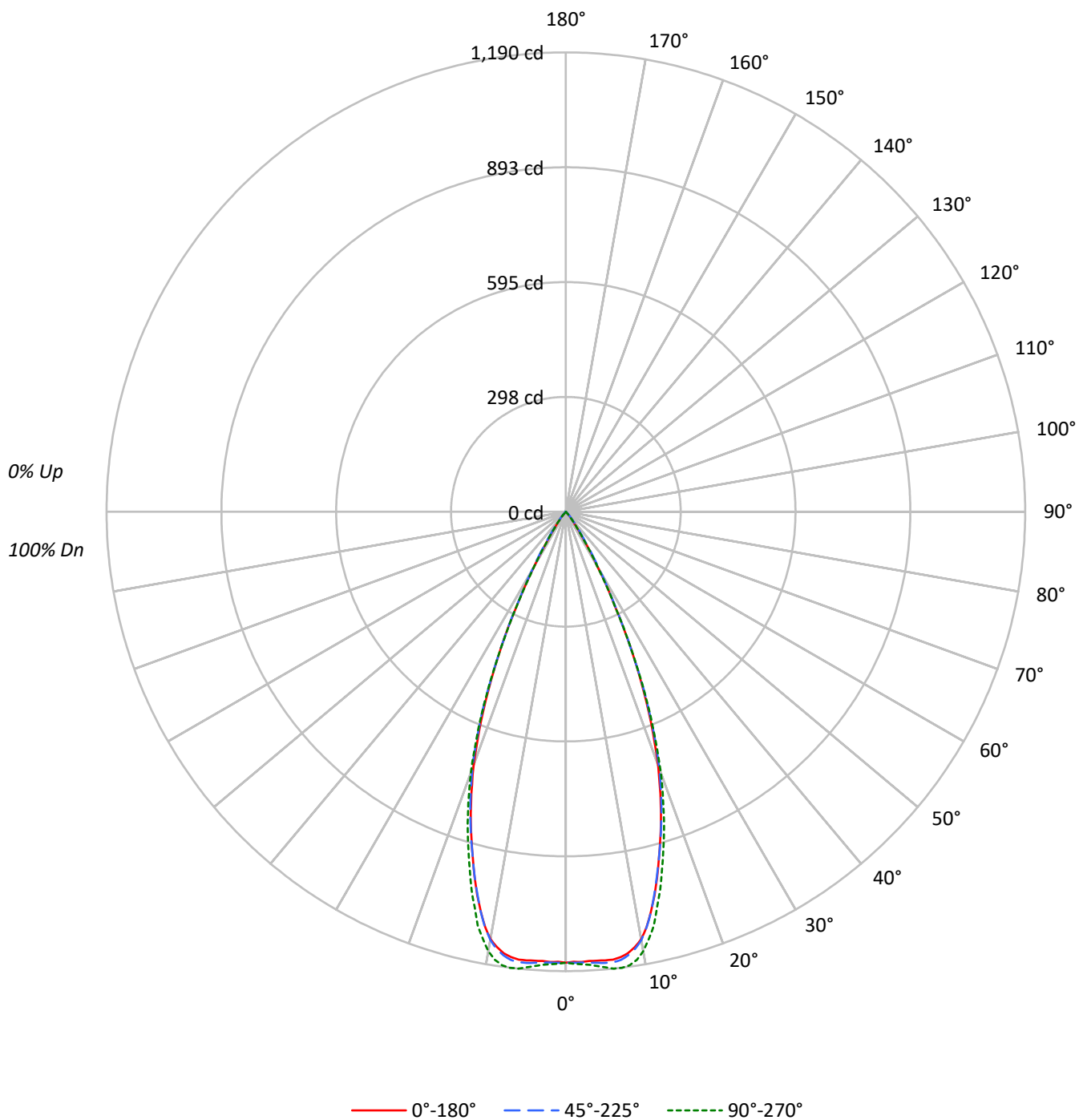
Lumens per Lamp: N/A
Luminaire Lumens: 604.0 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	96		98	96	94		95
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85
6	94	87	82	78	93	86	81	78	85	81	78		83	80	77		82
7	91	83	78	75	89	82	78	74	81	77	74		80	76	74		79
8	87	79	75	71	86	79	74	71	78	74	71		77	73	70		76
9	84	76	71	68	83	76	71	68	75	71	68		74	70	68		73
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	201190	201190	201190
5°	201648	202823	204846
10°	196599	197002	202178
15°	165871	165942	171398
20°	128036	129851	131995
25°	79431	79507	80020
30°	32773	34821	32236
35°	10197	12468	9818
40°	3125	4339	2923
45°	219	1632	219
50°	0	241	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1632 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.2	18.4
10°-20°	258.5	42.8
20°-30°	189.6	31.4
30°-40°	40.8	6.7
40°-50°	3.9	0.6
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	559.3	92.6
0°-40°	600.1	99.4
0°-60°	604.0	100.0
0°-90°	604.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	604.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1168	1168	1168	1168	1168	
5°	1166	1170	1173	1181	1185	110
15°	930	928	931	946	961	256
25°	418	417	418	418	421	187
35°	48	52	59	51	47	38
45°	1	3	7	3	1	2
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1168.2	1168.2	1168.2	1168.2	1168.2
1°	1166.0	1168.7	1168.7	1170.5	1171.4
2°	1166.9	1168.7	1168.2	1171.4	1172.7
3°	1165.5	1168.7	1169.6	1173.2	1175.4
4°	1166.0	1168.7	1171.4	1176.8	1179.9
5°	1166.4	1169.6	1173.2	1181.3	1184.9
6°	1166.9	1169.1	1173.2	1183.5	1190.2
7°	1162.4	1165.5	1170.0	1183.1	1190.2
8°	1155.2	1157.0	1160.6	1177.7	1186.2
9°	1141.8	1141.3	1146.7	1165.5	1175.4
10°	1124.2	1118.9	1126.5	1145.3	1156.1
11°	1096.0	1090.1	1096.9	1117.1	1127.4
12°	1059.1	1059.1	1060.5	1078.4	1096.4
13°	1020.1	1015.6	1018.3	1038.5	1051.1
14°	977.0	972.5	975.2	990.4	1010.2
15°	930.3	928.5	930.7	945.5	961.3
17.5°	819.4	815.3	823.4	838.2	846.3
20°	698.6	705.3	708.5	717.9	720.2
22.5°	559.9	567.1	571.5	572.9	574.2
25°	418.0	416.7	418.4	418.4	421.1
27.5°	274.8	274.8	279.7	276.6	273.4
30°	164.8	171.5	175.1	169.3	162.1
32.5°	89.8	96.5	102.4	93.8	87.6
35°	48.5	52.1	59.3	50.7	46.7
37.5°	26.5	29.6	34.1	28.7	26.5
40°	13.9	17.1	19.3	17.1	13.0
42.5°	4.5	8.5	11.2	8.5	4.0
45°	0.9	2.7	6.7	2.7	0.9
47.5°	0.0	0.4	3.1	0.4	0.0
50°	0.0	0.0	0.9	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)