

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: P#

Luminaire Tested: P3ART24R709030D010 E3CLDWW1MW

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART24R709030D010 E3CLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

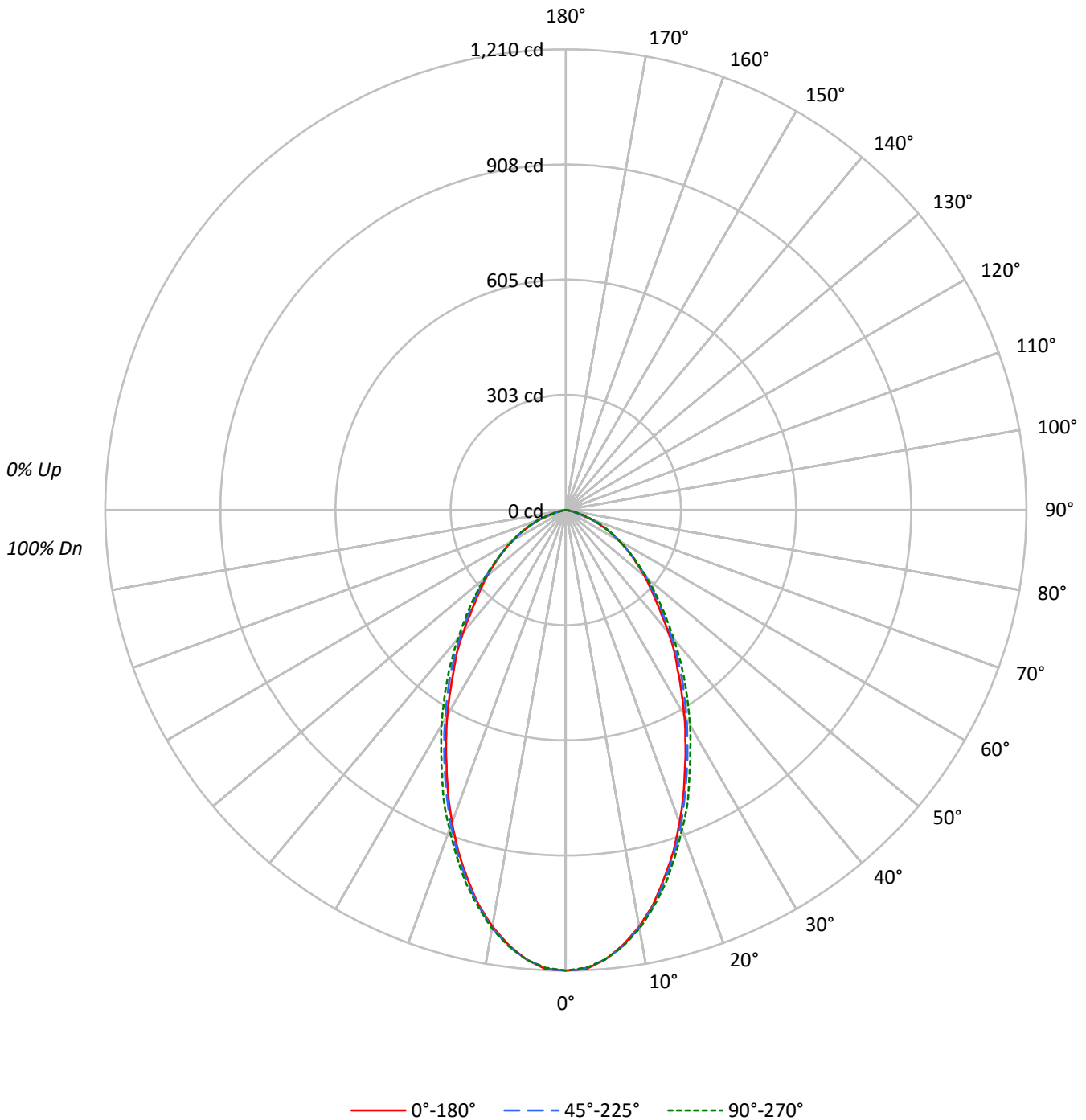
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1685.0 lumens
Efficiency: N/A
Efficacy: 58.5 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.89 / 0.97
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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

TEST NUMBER: P#
CATALOG NUMBER: P3ART24R709030D010 E3CLDWW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART24R709030D010 E3CLDWW1MW

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	66	61	57	55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50
7	73	61	53	48	71	60	53	48	59	52	47	57	52	47	56	51	47	45
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	265286	265286	265286
5°	260840	260840	260840
10°	247268	247891	248515
15°	227084	228333	230217
20°	203858	205771	208338
25°	179357	182019	186011
30°	157695	160480	165367
35°	137219	141636	145330
40°	119910	123059	126208
45°	103391	106833	109376
50°	92142	94018	94939
55°	81125	82157	82157
60°	71310	70082	71310
65°	58631	60032	61485
70°	45905	45905	47700
75°	30331	28043	28043
80°	17426	13891	10481
85°	7045	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 109376 cd/sqm



TEST NUMBER: P#

CATALOG NUMBER: P3ART24R709030D010 E3CLDWW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	6.6
10°-20°	280.9	16.7
20°-30°	346.5	20.6
30°-40°	330.2	19.6
40°-50°	267.1	15.9
50°-60°	192.4	11.4
60°-70°	115.2	6.8
70°-80°	38.6	2.3
80°-90°	3.3	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°	738.3	43.8
0°-40°	1068.4	63.4
0°-60°	1527.9	90.7
0°-90°	1685.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1685.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1210	1210	1210	1210	1210	
5°	1185	1185	1185	1186	1185	111
15°	1000	1002	1006	1009	1014	280
25°	741	746	752	764	769	341
35°	513	517	529	539	543	322
45°	333	338	344	351	353	260
55°	212	212	215	215	215	191
65°	113	116	116	118	118	113
75°	36	36	33	33	33	40
85°	3	3	0	0	0	5
90°	0	0	0	0	0	



TEST NUMBER: P#
 CATALOG NUMBER: P3ART24R709030D010 E3CLDWW1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1209.8	1209.8	1209.8	1209.8	1209.8	1209.8	1209.8	1209.8	1209.8	1209.8	1209.8
2°	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1207.0	1204.2
2.5°	1207.0	1204.2	1204.2	1204.2	1204.2	1204.2	1204.2	1204.2	1204.2	1207.0	1204.2
5°	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1185.0	1187.7	1185.0	1185.0
7.5°	1151.9	1151.9	1151.9	1151.9	1154.6	1154.6	1154.6	1154.6	1157.4	1157.4	1154.6
10°	1110.5	1110.5	1110.5	1110.5	1113.3	1113.3	1116.1	1113.3	1113.3	1116.1	1116.1
12.5°	1060.9	1058.2	1058.2	1058.2	1060.9	1063.7	1063.7	1063.7	1066.5	1066.5	1066.5
15°	1000.3	1000.3	1000.3	1003.1	1003.1	1005.8	1008.6	1008.6	1011.3	1011.3	1014.1
17.5°	939.7	939.7	936.9	939.7	942.4	945.2	948.0	950.7	953.5	953.5	953.5
20°	873.6	870.8	873.6	876.3	879.1	881.8	884.6	890.1	892.8	892.8	892.8
22.5°	807.4	804.7	807.4	810.2	812.9	815.7	824.0	826.7	829.5	829.5	835.0
25°	741.3	741.3	744.0	746.8	749.5	752.3	757.8	763.3	766.1	768.8	768.8
27.5°	680.7	680.7	680.7	680.7	686.2	691.7	697.2	702.7	705.5	708.2	708.2
30°	622.8	620.0	620.0	622.8	628.3	633.8	639.3	644.8	647.6	650.3	653.1
32.5°	564.9	564.9	564.9	567.7	570.4	578.7	584.2	587.0	592.5	595.2	595.2
35°	512.6	512.6	512.6	518.1	523.6	529.1	531.8	537.4	542.9	542.9	542.9
37.5°	468.5	471.2	476.7	474.0	474.0	476.7	479.5	485.0	490.5	490.5	490.5
40°	418.9	421.6	424.4	421.6	424.4	429.9	432.6	435.4	438.2	440.9	440.9
42.5°	372.0	372.0	372.0	374.8	380.3	383.0	388.6	391.3	394.1	394.1	394.1
45°	333.4	333.4	336.2	339.0	341.7	344.5	347.2	350.0	352.7	352.7	352.7
47.5°	300.4	300.4	303.1	303.1	305.9	308.6	311.4	311.4	314.1	316.9	314.1
50°	270.1	270.1	270.1	272.8	272.8	275.6	275.6	278.3	278.3	278.3	278.3
52.5°	239.7	239.7	239.7	239.7	242.5	242.5	242.5	245.3	245.3	245.3	245.3
55°	212.2	212.2	212.2	212.2	212.2	214.9	214.9	214.9	214.9	214.9	214.9
57.5°	187.4	187.4	187.4	187.4	187.4	187.4	187.4	187.4	187.4	187.4	187.4
60°	162.6	162.6	162.6	162.6	162.6	159.8	162.6	162.6	162.6	162.6	162.6
62.5°	137.8	137.8	137.8	137.8	137.8	137.8	137.8	140.5	140.5	140.5	140.5
65°	113.0	115.7	115.7	115.7	115.7	115.7	115.7	118.5	118.5	118.5	118.5
67.5°	90.9	93.7	93.7	93.7	93.7	93.7	93.7	93.7	96.4	96.4	96.4
70°	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	74.4
72.5°	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	52.4	52.4	52.4
75°	35.8	35.8	35.8	35.8	33.1	33.1	33.1	33.1	33.1	33.1	33.1
77.5°	24.8	24.8	24.8	22.0	22.0	19.3	19.3	19.3	19.3	19.3	16.5
80°	13.8	13.8	13.8	13.8	13.8	11.0	11.0	8.3	8.3	8.3	8.3
82.5°	8.3	8.3	8.3	5.5	5.5	5.5	5.5	2.8	2.8	2.8	2.8
85°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)