

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: FAIL-SAFE

Report Number: P973315

Luminaire Tested: FLR2-14-30HE-L950-CP375

Issue Date: 3/13/2025

Test Information

Test Method: LM-79-2019
Report Number: P973315
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-281-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/13/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FLR2-14-30HE-L950-CP375
Description: 1*4 FLR-2.0 5000 Lumen High Efficacy at 5000CCT & 90 CRI Clear Polycarbonate (0.375" thickness)

Light Source:
Ballast/Driver: -

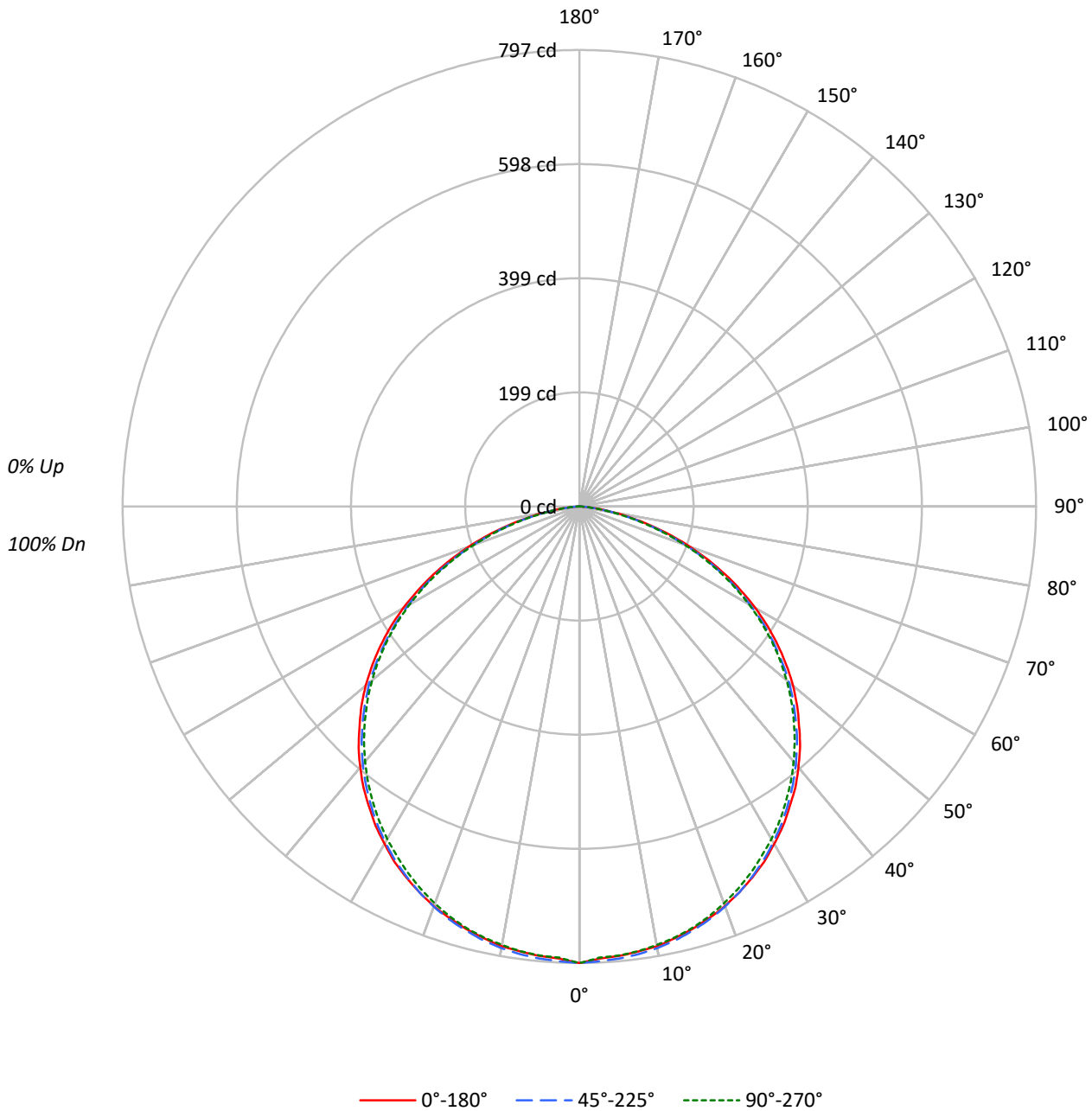
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2231.3 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.25 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
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										
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	50	30	10	0														
RCR																																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100														
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85						85														
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71						71														
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	70	66	62	60						60														
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51						51														
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	57	51	46	44						44														
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39						39														
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34						34														
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	30						30														
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	40	34	29	27						27														
10	53	40	32	27	52	39	32	27	38	32	27	38	31	27	37	31	26	25						25														

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2145	2145	2145
5°	2129	2141	2126
10°	2131	2140	2124
15°	2127	2135	2123
20°	2127	2129	2112
25°	2122	2118	2099
30°	2113	2104	2083
35°	2102	2086	2065
40°	2090	2064	2043
45°	2065	2036	2014
50°	2038	2000	1977
55°	1986	1939	1921
60°	1909	1856	1840
65°	1788	1736	1717
70°	1612	1548	1534
75°	1352	1283	1269
80°	982	916	890
85°	519	457	417

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2065 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.5	3.4
10°-20°	216.8	9.7
20°-30°	329.4	14.8
30°-40°	398.5	17.9
40°-50°	414.2	18.6
50°-60°	370.8	16.6
60°-70°	270.5	12.1
70°-80°	133.2	6.0
80°-90°	22.3	1.0
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°	621.8	27.9
0°-40°	1020.3	45.7
0°-60°	1805.3	80.9
0°-90°	2231.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2231.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	797	797	797	797	797	
5°	788	796	793	800	787	75
15°	764	770	766	773	762	216
25°	715	718	713	717	707	329
35°	640	641	635	638	629	401
45°	542	542	535	536	529	419
55°	423	420	413	412	410	378
65°	281	278	273	271	270	277
75°	130	128	123	122	122	139
85°	17	16	15	13	14	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	797.2	797.2	797.2	797.2	797.2
2.5°	790.3	799.2	794.9	802.8	788.6
5°	788.0	796.5	792.6	800.2	787.0
7.5°	784.0	792.9	788.6	795.9	783.3
10°	779.7	787.6	783.0	790.3	777.4
12.5°	772.1	780.0	775.7	782.3	770.5
15°	763.5	770.5	766.5	773.1	761.9
17.5°	753.6	760.2	755.9	761.9	750.7
20°	742.7	748.0	743.4	748.4	737.5
22.5°	729.2	734.2	729.2	732.5	723.0
25°	714.7	718.3	713.4	716.7	706.8
27.5°	699.2	701.2	696.2	698.9	688.6
30°	680.1	682.4	677.1	680.4	670.5
32.5°	661.6	662.9	657.0	659.6	650.7
35°	639.8	641.1	634.9	637.5	628.6
37.5°	619.0	618.7	612.1	613.7	606.1
40°	594.9	594.6	587.7	589.0	581.7
42.5°	570.2	568.9	562.3	562.9	556.3
45°	542.5	541.8	534.9	535.9	529.3
47.5°	515.7	513.8	506.8	507.2	501.5
50°	486.7	483.7	477.8	477.1	472.2
52.5°	455.7	452.4	445.8	445.1	441.5
55°	423.3	419.7	413.4	412.5	409.5
57.5°	390.0	385.4	380.4	378.5	376.2
60°	354.7	350.4	344.8	342.8	341.8
62.5°	318.1	313.8	309.5	307.5	306.2
65°	280.8	277.5	272.6	270.6	269.6
67.5°	242.9	239.9	235.3	233.0	232.6
70°	204.9	201.9	196.7	195.3	195.0
72.5°	167.0	164.3	159.4	158.1	158.1
75°	130.0	127.7	123.4	122.1	122.1
77.5°	95.0	93.0	89.8	88.1	88.1
80°	63.4	62.0	59.1	57.7	57.4
82.5°	36.6	36.0	33.3	32.0	32.7
85°	16.8	16.2	14.8	13.2	13.5
87.5°	4.3	4.0	3.0	2.3	3.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)