

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P737974

Luminaire Tested: **14PT-70-PR1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737974
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-70-PR1-L950
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

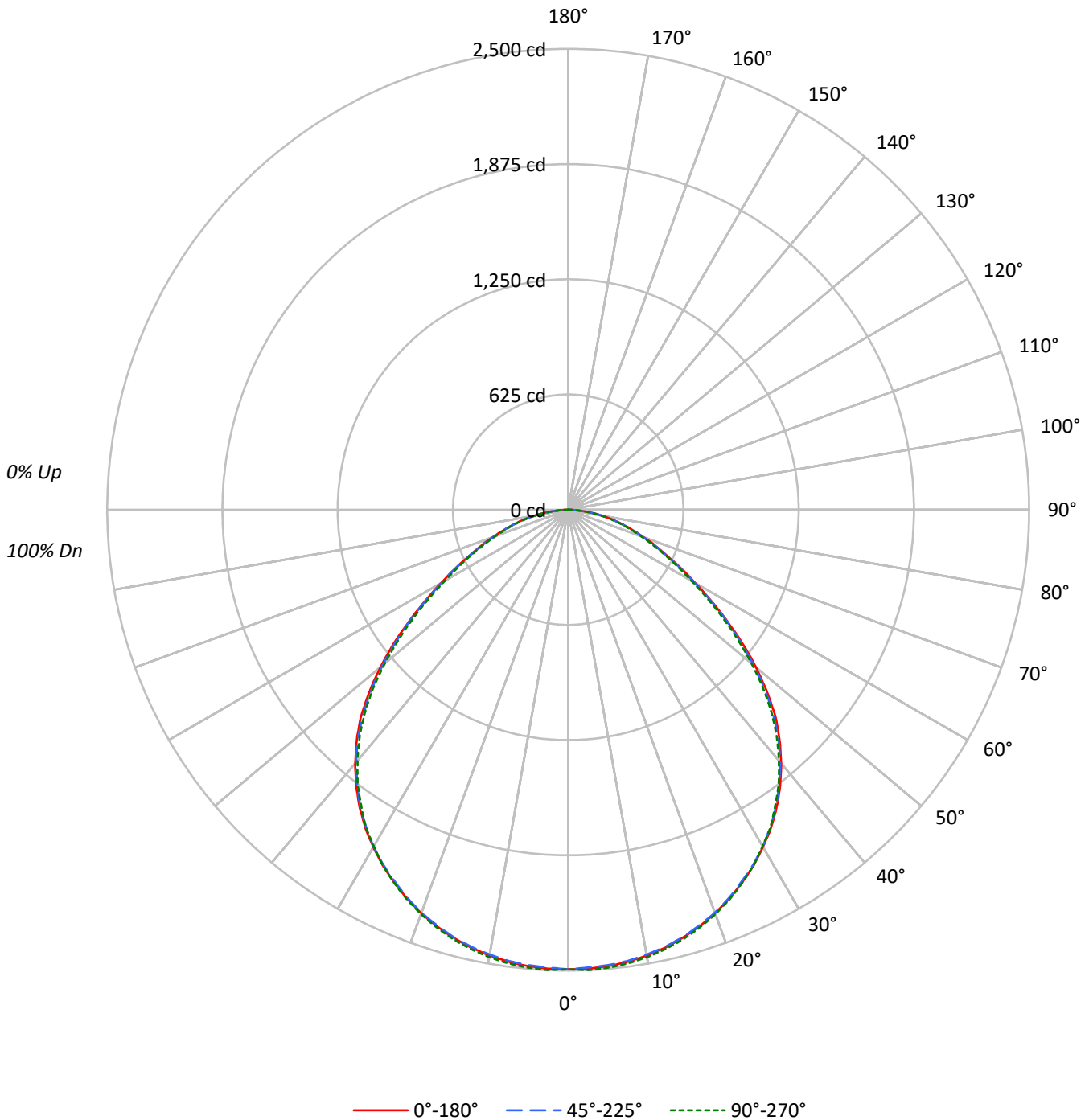
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6305.0 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 62.7
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: 25 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	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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7474	7474	7474
5°	7481	7465	7506
10°	7476	7462	7503
15°	7461	7450	7486
20°	7430	7421	7449
25°	7381	7363	7390
30°	7316	7307	7298
35°	7215	7198	7169
40°	7033	7005	6956
45°	6740	6664	6615
50°	6201	6131	6056
55°	5488	5465	5357
60°	4769	4753	4624
65°	4203	4178	4095
70°	3815	3760	3682
75°	3530	3447	3385
80°	3225	3179	3070
85°	2552	2521	2429



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.5	3.8
10°-20°	678.8	10.8
20°-30°	1028.3	16.3
30°-40°	1227.6	19.5
40°-50°	1207.3	19.1
50°-60°	933.1	14.8
60°-70°	588.4	9.3
70°-80°	318.2	5.0
80°-90°	87.0	1.4
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°	1943.6	30.8
0°-40°	3171.1	50.3
0°-60°	5311.5	84.2
0°-90°	6305.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6305.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2493	2493	2493	2493	2493	
5°	2486	2487	2481	2491	2494	236
15°	2404	2405	2400	2408	2412	678
25°	2231	2233	2226	2233	2234	1028
35°	1971	1972	1967	1964	1959	1231
45°	1590	1583	1572	1559	1560	1217
55°	1050	1059	1046	1028	1025	942
65°	592	593	589	579	577	596
75°	305	301	298	299	292	324
85°	74	75	73	74	71	88
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2493.1	2493.1	2493.1	2493.1	2493.1
2.5°	2492.2	2493.1	2485.9	2497.6	2500.2
5°	2485.9	2486.8	2480.6	2491.3	2494.0
7.5°	2473.4	2475.2	2469.0	2479.7	2482.4
10°	2455.6	2457.3	2451.1	2461.8	2464.5
12.5°	2433.2	2434.1	2428.7	2438.6	2441.3
15°	2403.7	2404.6	2400.2	2408.2	2411.8
17.5°	2369.8	2370.7	2364.4	2374.2	2376.0
20°	2328.7	2329.6	2326.0	2334.0	2334.9
22.5°	2283.1	2284.9	2279.5	2286.7	2287.6
25°	2231.3	2233.1	2225.9	2233.1	2233.9
27.5°	2176.8	2177.6	2171.4	2176.8	2175.9
30°	2113.3	2118.7	2110.6	2108.8	2108.0
32.5°	2047.2	2048.1	2040.0	2038.3	2041.8
35°	1971.2	1972.1	1966.8	1964.1	1958.7
37.5°	1888.1	1888.1	1878.3	1876.5	1875.6
40°	1797.0	1796.1	1789.8	1783.6	1777.3
42.5°	1697.8	1699.6	1687.1	1676.4	1674.6
45°	1589.7	1583.4	1571.8	1559.3	1560.2
47.5°	1461.9	1463.7	1447.6	1437.8	1435.1
50°	1329.6	1329.6	1314.5	1303.7	1298.4
52.5°	1191.1	1192.0	1177.7	1163.4	1160.8
55°	1050.0	1058.9	1045.5	1028.5	1024.9
57.5°	917.7	924.9	912.3	894.5	893.6
60°	795.3	796.2	792.6	775.6	771.2
62.5°	690.7	686.3	684.5	675.5	670.2
65°	592.4	593.3	588.9	579.0	577.3
67.5°	512.9	512.0	504.0	497.7	494.1
70°	435.2	432.5	428.9	423.6	420.0
72.5°	365.5	365.5	362.8	361.0	354.8
75°	304.7	301.1	297.6	299.3	292.2
77.5°	246.6	243.1	240.4	236.8	235.0
80°	186.8	183.2	184.1	178.7	177.8
82.5°	129.6	129.6	127.8	123.3	124.2
85°	74.2	75.1	73.3	74.2	70.6
87.5°	26.8	27.7	29.5	27.7	27.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)