

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: P737950

Luminaire Tested: **14PT-70-PC3-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737950
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-70-PC3-L950
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

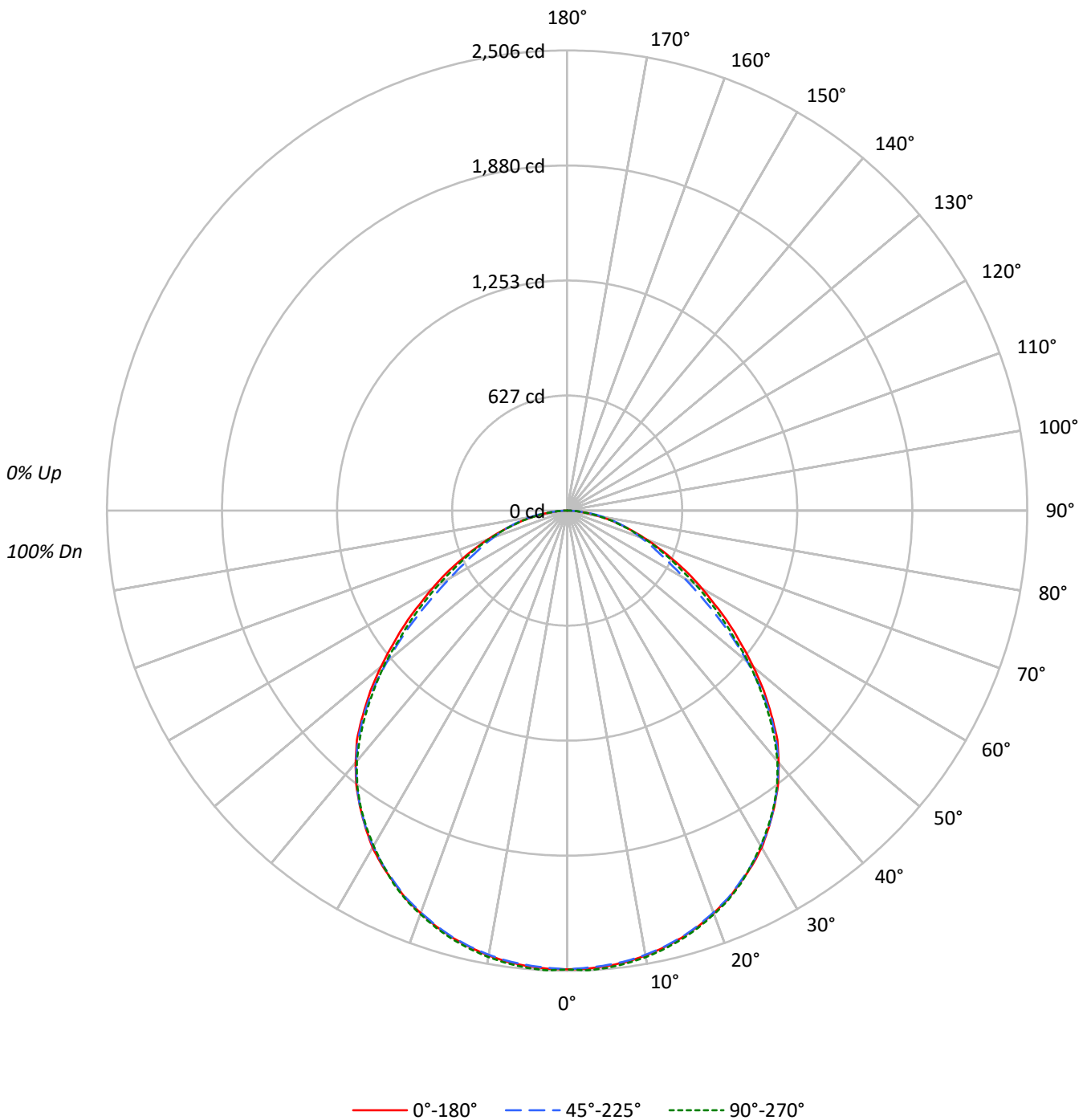
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6299.0 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 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 (A_{in}): 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	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7491	7491	7491
5°	7493	7479	7522
10°	7492	7479	7519
15°	7475	7467	7500
20°	7441	7430	7462
25°	7390	7379	7408
30°	7335	7310	7298
35°	7202	7196	7182
40°	7013	7002	6970
45°	6669	6619	6551
50°	6173	5965	6031
55°	5633	5176	5409
60°	5080	4416	4844
65°	4539	3949	4355
70°	4026	3737	3917
75°	3561	3623	3489
80°	3070	3456	3054
85°	2305	2735	2305



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.0	3.8
10°-20°	680.2	10.8
20°-30°	1029.8	16.3
30°-40°	1227.8	19.5
40°-50°	1199.7	19.0
50°-60°	917.4	14.6
60°-70°	589.0	9.4
70°-80°	327.7	5.2
80°-90°	90.5	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°	1947.0	30.9
0°-40°	3174.8	50.4
0°-60°	5291.9	84.0
0°-90°	6299.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6299.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2499	2499	2499	2499	2499	
5°	2490	2492	2485	2497	2500	237
15°	2408	2410	2406	2414	2416	680
25°	2234	2237	2230	2238	2240	1030
35°	1968	1970	1966	1965	1962	1229
45°	1573	1576	1561	1558	1545	1210
55°	1078	1040	990	1003	1035	963
65°	640	591	557	576	614	638
75°	307	310	313	308	301	329
85°	67	79	80	77	67	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2498.6	2498.6	2498.6	2498.6	2498.6
2.5°	2496.8	2497.7	2491.5	2502.2	2505.8
5°	2489.7	2491.5	2485.2	2496.8	2499.5
7.5°	2479.0	2480.8	2474.5	2486.1	2487.0
10°	2461.1	2462.0	2456.6	2468.2	2470.0
12.5°	2437.0	2439.7	2433.4	2444.1	2445.0
15°	2408.4	2410.2	2405.7	2413.7	2416.4
17.5°	2374.4	2375.3	2370.8	2379.8	2380.7
20°	2332.4	2332.4	2328.8	2338.7	2338.7
22.5°	2289.5	2286.8	2285.9	2289.5	2294.9
25°	2234.1	2236.8	2230.5	2237.7	2239.5
27.5°	2180.5	2180.5	2175.1	2178.7	2174.2
30°	2118.8	2115.3	2111.7	2112.6	2108.1
32.5°	2044.7	2044.7	2042.9	2042.9	2037.5
35°	1967.8	1969.6	1966.0	1965.1	1962.4
37.5°	1885.6	1888.3	1882.0	1880.2	1878.4
40°	1791.8	1791.8	1789.1	1785.5	1781.0
42.5°	1694.4	1694.4	1682.7	1673.8	1667.5
45°	1572.8	1576.4	1561.2	1557.6	1545.1
47.5°	1452.2	1449.5	1428.9	1426.3	1419.1
50°	1323.5	1308.3	1278.8	1286.9	1293.1
52.5°	1194.8	1176.0	1133.1	1142.1	1152.8
55°	1077.7	1040.2	990.2	1002.7	1034.8
57.5°	955.3	905.3	855.2	878.5	918.7
60°	847.2	790.9	736.4	761.4	807.9
62.5°	743.5	683.6	639.9	664.0	703.3
65°	639.9	590.7	556.7	575.5	613.9
67.5°	545.1	512.1	488.8	497.8	529.0
70°	459.3	438.8	426.3	429.0	446.8
72.5°	378.0	372.7	368.2	368.2	370.0
75°	307.4	310.1	312.8	308.3	301.2
77.5°	242.2	251.1	257.4	248.4	239.5
80°	177.8	192.1	200.2	190.3	176.9
82.5°	121.5	137.6	140.3	134.0	118.9
85°	67.0	78.6	79.5	76.9	67.0
87.5°	25.0	29.5	32.2	29.5	25.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)