

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: P737973

Luminaire Tested: **14PT-70-PR1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737973
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-L940
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

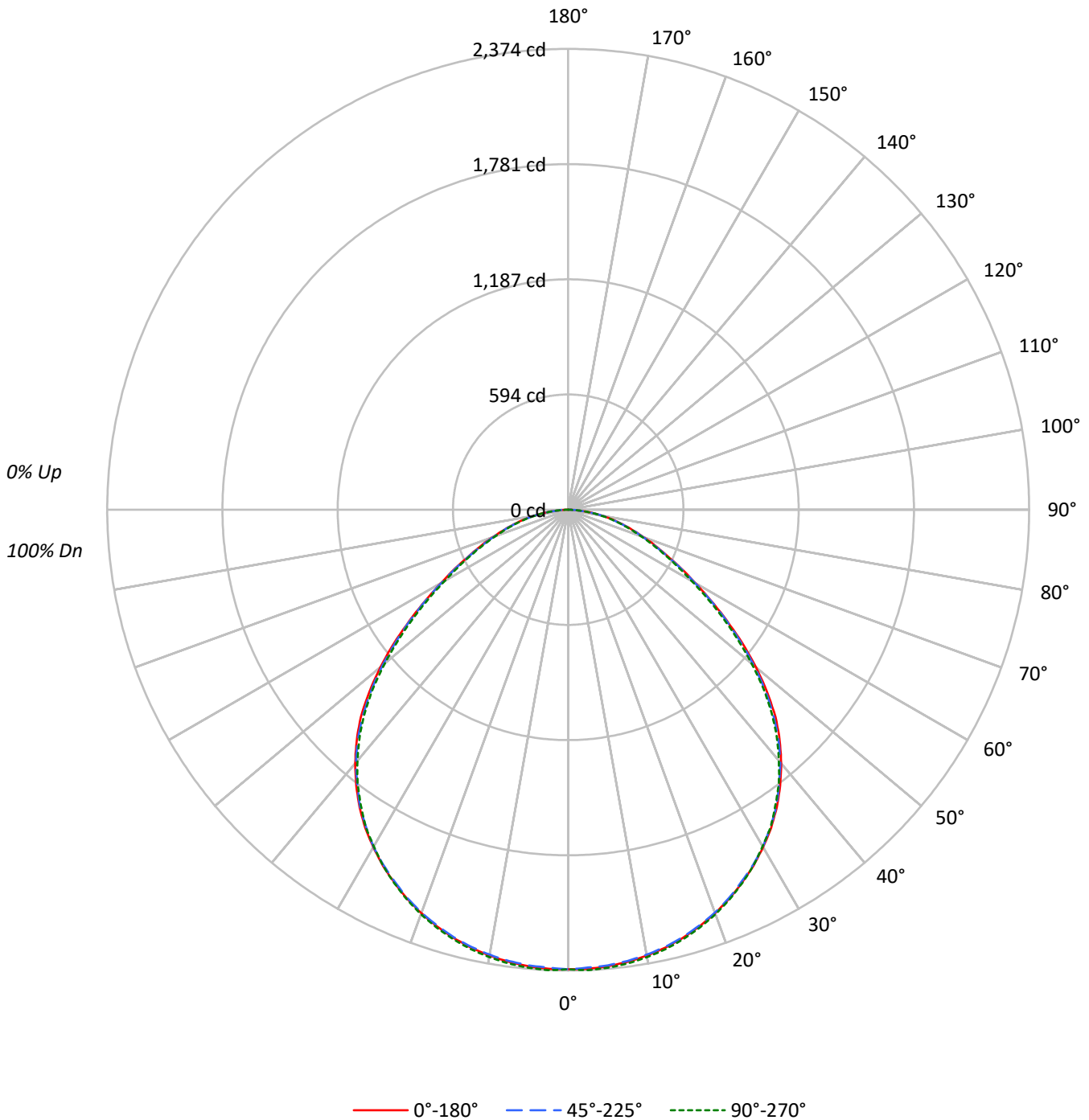
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5988.0 lumens
Efficiency: N/A
Efficacy: 95.5 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°	7099	7099	7099
5°	7105	7090	7128
10°	7100	7087	7126
15°	7086	7075	7109
20°	7056	7048	7075
25°	7010	6993	7018
30°	6948	6939	6931
35°	6852	6836	6808
40°	6679	6653	6606
45°	6401	6329	6282
50°	5890	5823	5751
55°	5212	5190	5088
60°	4529	4514	4392
65°	3992	3968	3889
70°	3623	3571	3497
75°	3352	3274	3214
80°	3063	3018	2916
85°	2422	2394	2305



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.6	3.8
10°-20°	644.7	10.8
20°-30°	976.6	16.3
30°-40°	1165.9	19.5
40°-50°	1146.6	19.1
50°-60°	886.2	14.8
60°-70°	558.8	9.3
70°-80°	302.2	5.0
80°-90°	82.6	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°	1845.9	30.8
0°-40°	3011.7	50.3
0°-60°	5044.4	84.2
0°-90°	5988.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5988.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2368	2368	2368	2368	2368	
5°	2361	2362	2356	2366	2369	224
15°	2283	2284	2280	2287	2290	644
25°	2119	2121	2114	2121	2122	977
35°	1872	1873	1868	1865	1860	1169
45°	1510	1504	1493	1481	1482	1156
55°	997	1006	993	977	973	895
65°	563	564	559	550	548	566
75°	289	286	283	284	278	307
85°	70	71	70	70	67	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2367.7	2367.7	2367.7	2367.7	2367.7
2.5°	2366.9	2367.7	2360.9	2372.0	2374.5
5°	2360.9	2361.8	2355.9	2366.0	2368.6
7.5°	2349.1	2350.8	2344.8	2355.0	2357.6
10°	2332.1	2333.8	2327.8	2338.0	2340.6
12.5°	2310.9	2311.7	2306.6	2316.0	2318.5
15°	2282.9	2283.7	2279.5	2287.1	2290.5
17.5°	2250.6	2251.5	2245.5	2254.9	2256.6
20°	2211.6	2212.4	2209.0	2216.7	2217.5
22.5°	2168.3	2170.0	2164.9	2171.7	2172.5
25°	2119.1	2120.8	2114.0	2120.8	2121.6
27.5°	2067.3	2068.2	2062.2	2067.3	2066.5
30°	2007.1	2012.2	2004.5	2002.8	2002.0
32.5°	1944.3	1945.1	1937.5	1935.8	1939.2
35°	1872.1	1873.0	1867.9	1865.3	1860.2
37.5°	1793.2	1793.2	1783.9	1782.2	1781.3
40°	1706.6	1705.8	1699.8	1693.9	1688.0
42.5°	1612.4	1614.1	1602.3	1592.1	1590.4
45°	1509.8	1503.8	1492.8	1480.9	1481.7
47.5°	1388.4	1390.1	1374.8	1365.5	1362.9
50°	1262.8	1262.8	1248.4	1238.2	1233.1
52.5°	1131.3	1132.1	1118.5	1104.9	1102.4
55°	997.2	1005.7	992.9	976.8	973.4
57.5°	871.6	878.4	866.5	849.5	848.7
60°	755.3	756.1	752.8	736.6	732.4
62.5°	656.0	651.8	650.1	641.6	636.5
65°	562.7	563.5	559.3	549.9	548.2
67.5°	487.1	486.3	478.6	472.7	469.3
70°	413.3	410.7	407.4	402.3	398.9
72.5°	347.1	347.1	344.6	342.9	336.9
75°	289.4	286.0	282.6	284.3	277.5
77.5°	234.2	230.8	228.3	224.9	223.2
80°	177.4	174.0	174.8	169.7	168.9
82.5°	123.1	123.1	121.4	117.1	118.0
85°	70.4	71.3	69.6	70.4	67.0
87.5°	25.5	26.3	28.0	26.3	26.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)