

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: P737982

Luminaire Tested: **14PT-70-PW1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737982
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-70-PW1-L950
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

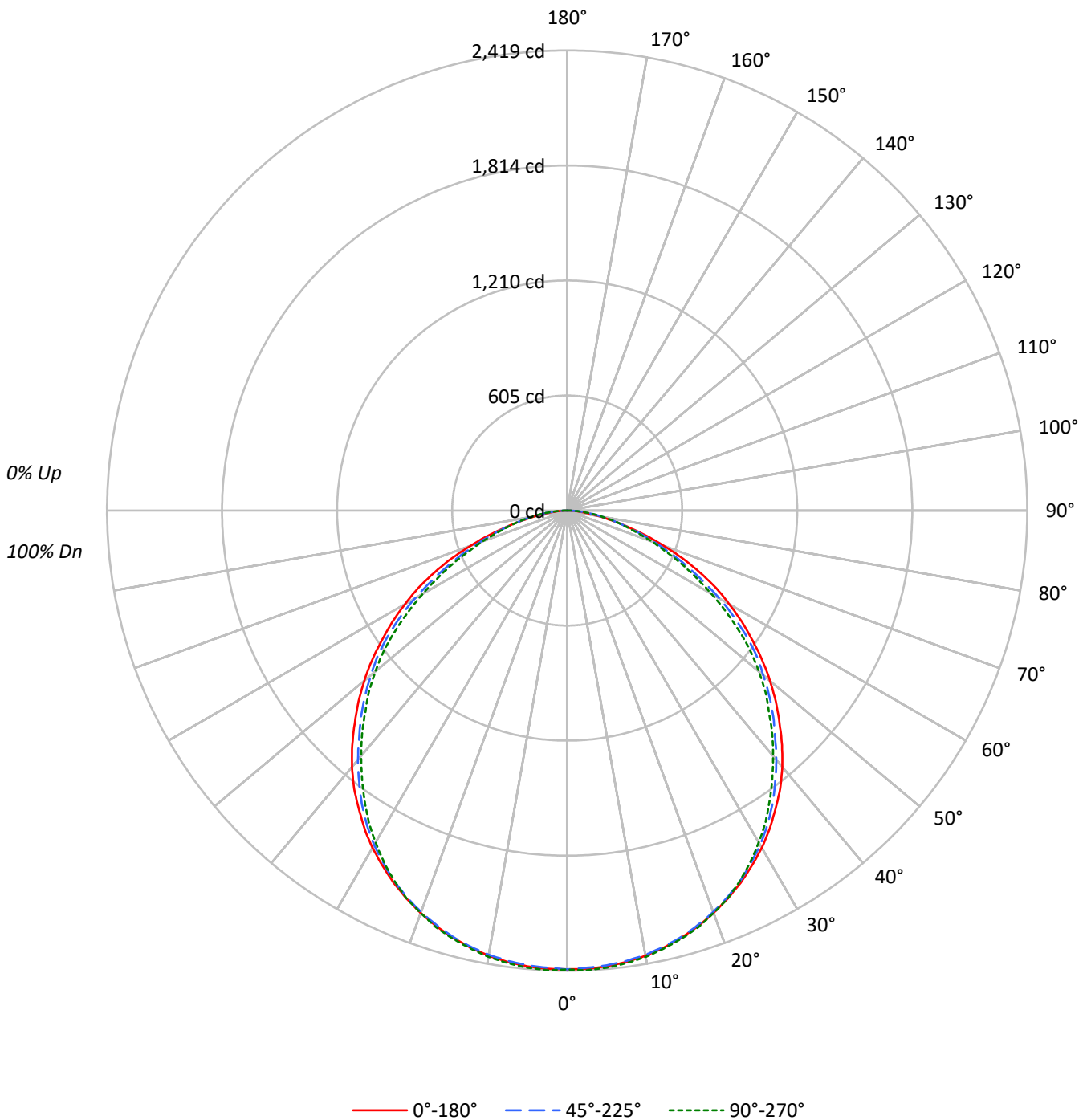
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6400.0 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	47	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7230	7230	7230
5°	7237	7220	7258
10°	7233	7217	7252
15°	7211	7200	7228
20°	7181	7164	7181
25°	7141	7112	7106
30°	7087	7025	6976
35°	6992	6887	6799
40°	6886	6697	6592
45°	6694	6498	6365
50°	6493	6281	6135
55°	6221	6011	5773
60°	5899	5551	5262
65°	5458	4957	4710
70°	4731	4316	4151
75°	3779	3695	3592
80°	2869	3210	3210
85°	2122	2735	2735



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.7	3.6
10°-20°	656.0	10.2
20°-30°	991.4	15.5
30°-40°	1177.2	18.4
40°-50°	1186.0	18.5
50°-60°	1025.2	16.0
60°-70°	700.6	10.9
70°-80°	345.5	5.4
80°-90°	89.4	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°	1876.1	29.3
0°-40°	3053.3	47.7
0°-60°	5264.5	82.3
0°-90°	6400.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6400.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2412	2412	2412	2412	2412	
5°	2405	2406	2399	2409	2412	229
15°	2323	2326	2320	2328	2329	656
25°	2159	2157	2150	2152	2148	995
35°	1910	1904	1882	1865	1858	1196
45°	1579	1562	1532	1515	1501	1219
55°	1190	1187	1150	1116	1104	1064
65°	769	742	699	668	664	759
75°	326	324	319	319	310	355
85°	62	72	80	81	80	76
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2411.7	2411.7	2411.7	2411.7	2411.7
2.5°	2410.8	2411.7	2405.5	2416.2	2418.9
5°	2404.6	2405.5	2399.2	2409.0	2411.7
7.5°	2393.0	2394.7	2387.6	2397.4	2399.2
10°	2376.0	2376.9	2370.6	2380.4	2382.2
12.5°	2352.7	2353.6	2348.3	2357.2	2357.2
15°	2323.3	2325.9	2319.7	2327.7	2328.6
17.5°	2290.2	2291.1	2284.8	2293.8	2295.6
20°	2250.9	2250.9	2245.5	2252.7	2250.9
22.5°	2207.1	2207.1	2200.8	2204.4	2206.2
25°	2158.8	2157.1	2149.9	2151.7	2148.1
27.5°	2103.4	2103.4	2090.9	2090.9	2084.7
30°	2047.2	2042.7	2029.3	2021.2	2015.0
32.5°	1982.8	1976.6	1959.6	1945.3	1940.8
35°	1910.4	1904.2	1881.8	1864.9	1857.7
37.5°	1840.7	1826.4	1797.0	1780.0	1771.9
40°	1759.4	1741.6	1711.2	1687.9	1684.4
42.5°	1671.9	1657.6	1618.2	1601.3	1596.8
45°	1578.9	1561.9	1532.5	1514.6	1501.2
47.5°	1487.8	1475.3	1441.3	1419.9	1415.4
50°	1392.2	1381.4	1346.6	1323.4	1315.3
52.5°	1293.0	1285.8	1256.3	1226.9	1217.0
55°	1190.2	1186.7	1150.0	1116.1	1104.4
57.5°	1089.3	1084.8	1039.2	999.9	989.2
60°	983.8	970.4	925.7	889.1	877.5
62.5°	883.7	855.1	806.9	778.3	764.9
65°	769.4	741.7	698.8	668.4	663.9
67.5°	656.8	623.7	590.6	571.9	557.6
70°	539.7	517.4	492.4	476.3	473.6
72.5°	430.7	414.6	402.1	392.3	384.2
75°	326.2	323.5	319.0	319.0	310.1
77.5°	239.5	245.7	249.3	248.4	250.2
80°	166.2	178.7	185.9	186.8	185.9
82.5°	105.4	119.7	131.4	133.1	134.9
85°	61.7	72.4	79.5	81.3	79.5
87.5°	27.7	34.8	36.6	38.4	36.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)