

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: P737925

Luminaire Tested: **14PT-60-PR1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737925
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-60-PR1-L940
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

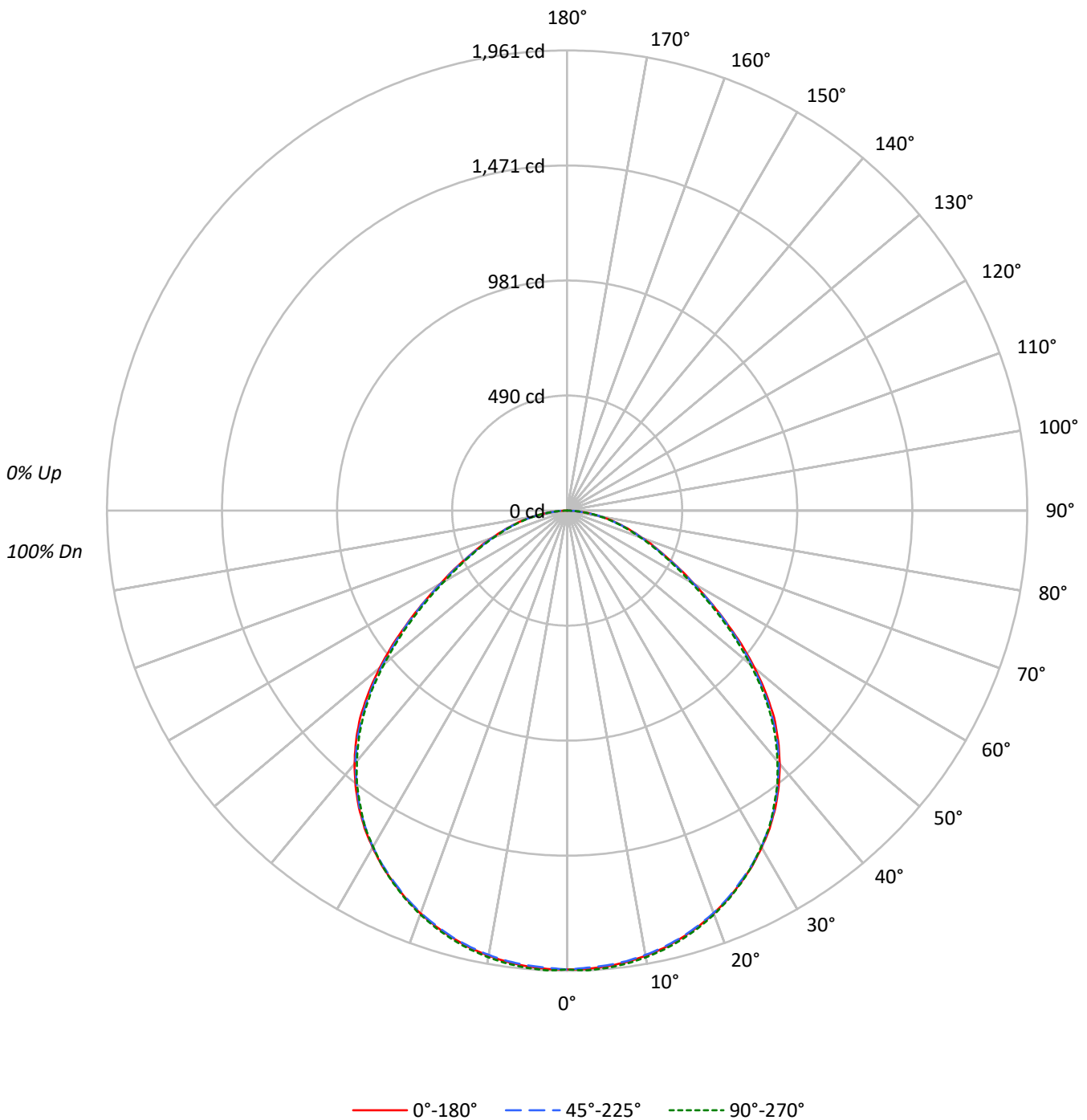
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4946.0 lumens
Efficiency: N/A
Efficacy: 99.3 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): 49.8
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	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°	5863	5863	5863
5°	5869	5856	5888
10°	5864	5854	5886
15°	5853	5844	5872
20°	5828	5821	5844
25°	5790	5776	5797
30°	5739	5732	5725
35°	5659	5647	5624
40°	5517	5495	5456
45°	5287	5228	5189
50°	4865	4809	4750
55°	4305	4287	4202
60°	3741	3728	3627
65°	3297	3277	3212
70°	2993	2950	2888
75°	2768	2704	2655
80°	2529	2493	2408
85°	2002	1978	1906



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.5	3.8
10°-20°	532.5	10.8
20°-30°	806.7	16.3
30°-40°	963.0	19.5
40°-50°	947.0	19.1
50°-60°	731.9	14.8
60°-70°	461.5	9.3
70°-80°	249.6	5.0
80°-90°	68.2	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°	1524.6	30.8
0°-40°	2487.6	50.3
0°-60°	4166.6	84.2
0°-90°	4946.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4946.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1956	1956	1956	1956	1956	
5°	1950	1951	1946	1954	1956	185
15°	1886	1886	1883	1889	1892	532
25°	1750	1752	1746	1752	1752	807
35°	1546	1547	1543	1541	1536	966
45°	1247	1242	1233	1223	1224	955
55°	824	831	820	807	804	739
65°	465	465	462	454	453	468
75°	239	236	233	235	229	254
85°	58	59	58	58	55	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1955.7	1955.7	1955.7	1955.7	1955.7
2.5°	1955.0	1955.7	1950.1	1959.2	1961.3
5°	1950.1	1950.8	1945.9	1954.3	1956.4
7.5°	1940.3	1941.7	1936.8	1945.2	1947.3
10°	1926.3	1927.7	1922.8	1931.2	1933.3
12.5°	1908.8	1909.5	1905.2	1913.0	1915.1
15°	1885.6	1886.3	1882.8	1889.1	1891.9
17.5°	1859.0	1859.7	1854.8	1862.5	1863.9
20°	1826.7	1827.4	1824.6	1830.9	1831.6
22.5°	1791.0	1792.4	1788.2	1793.8	1794.5
25°	1750.3	1751.7	1746.1	1751.7	1752.4
27.5°	1707.6	1708.3	1703.4	1707.6	1706.9
30°	1657.8	1662.0	1655.7	1654.3	1653.6
32.5°	1605.9	1606.6	1600.3	1598.9	1601.7
35°	1546.3	1547.0	1542.8	1540.7	1536.5
37.5°	1481.2	1481.2	1473.4	1472.0	1471.3
40°	1409.7	1409.0	1404.0	1399.1	1394.2
42.5°	1331.8	1333.3	1323.4	1315.0	1313.6
45°	1247.0	1242.1	1233.0	1223.2	1223.9
47.5°	1146.8	1148.2	1135.6	1127.9	1125.8
50°	1043.0	1043.0	1031.1	1022.7	1018.5
52.5°	934.4	935.1	923.9	912.7	910.6
55°	823.6	830.7	820.1	806.8	804.0
57.5°	719.9	725.5	715.7	701.7	701.0
60°	623.9	624.6	621.8	608.4	604.9
62.5°	541.9	538.3	536.9	529.9	525.7
65°	464.7	465.4	461.9	454.2	452.8
67.5°	402.4	401.7	395.3	390.4	387.6
70°	341.4	339.3	336.5	332.3	329.5
72.5°	286.7	286.7	284.6	283.2	278.3
75°	239.0	236.2	233.4	234.8	229.2
77.5°	193.5	190.7	188.6	185.8	184.4
80°	146.5	143.7	144.4	140.2	139.5
82.5°	101.6	101.6	100.2	96.7	97.4
85°	58.2	58.9	57.5	58.2	55.4
87.5°	21.0	21.7	23.1	21.7	21.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)