

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: P737940

Luminaire Tested: **14PT-70-PB1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737940
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-70-PB1-L935
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

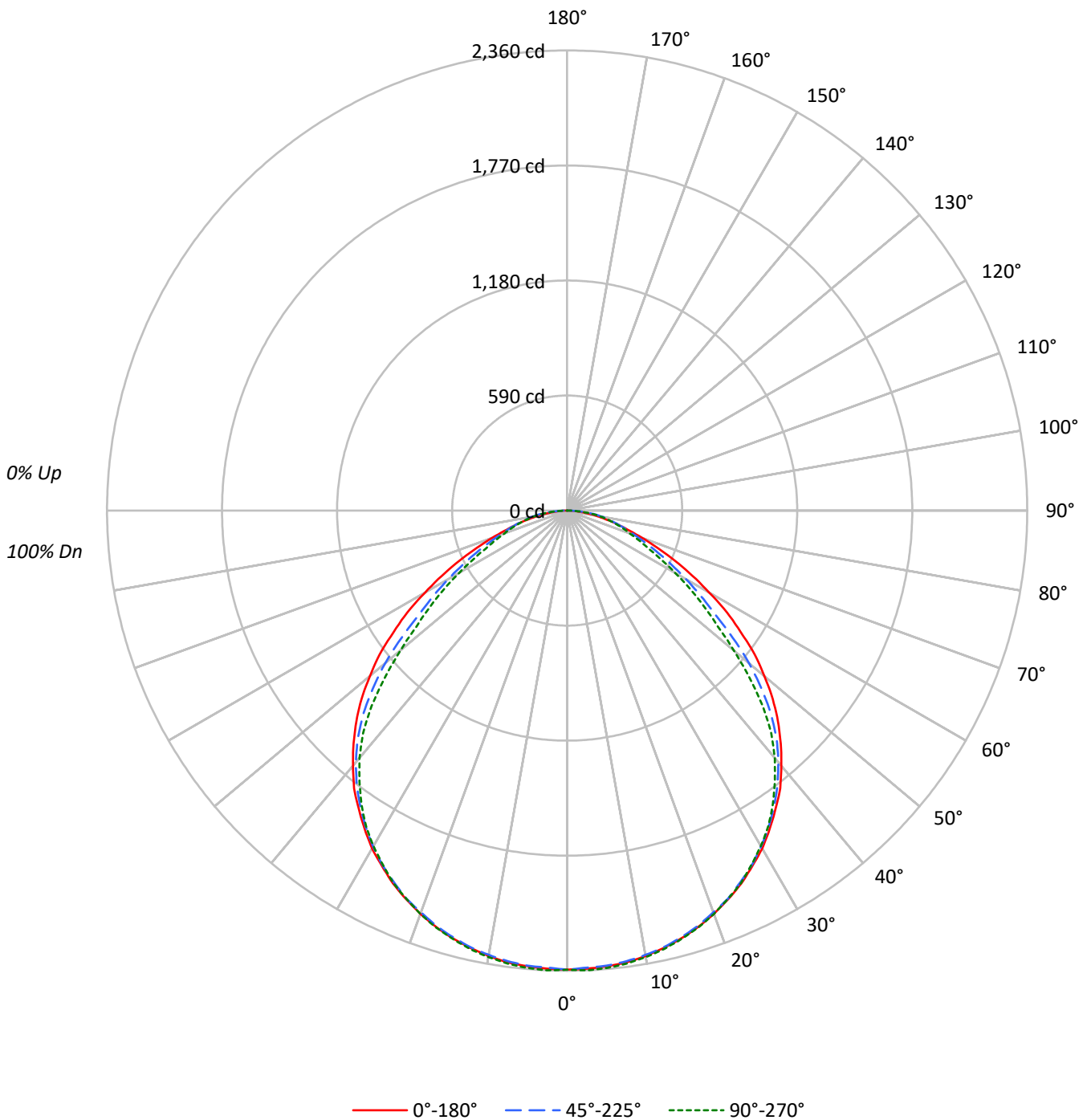
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5871.0 lumens
Efficiency: N/A
Efficacy: 93.6 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	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					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86					86			
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73					73			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62					62			
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47					47			
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42					42			
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37					37			
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33					33			
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30					30			
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7059	7059	7059
5°	7060	7051	7086
10°	7062	7045	7080
15°	7047	7029	7056
20°	7022	6994	7022
25°	6984	6955	6974
30°	6928	6888	6878
35°	6826	6773	6731
40°	6687	6597	6483
45°	6483	6275	6017
50°	6160	5687	5201
55°	5677	4829	4481
60°	5054	4219	3838
65°	4335	3657	3267
70°	3579	3224	2995
75°	3019	3086	2919
80°	2550	3151	3001
85°	1992	3189	2790



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.2	3.8
10°-20°	640.6	10.9
20°-30°	970.4	16.5
30°-40°	1156.3	19.7
40°-50°	1130.7	19.3
50°-60°	855.2	14.6
60°-70°	525.4	8.9
70°-80°	279.9	4.8
80°-90°	89.3	1.5
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°	1834.2	31.2
0°-40°	2990.4	50.9
0°-60°	4976.3	84.8
0°-90°	5871.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5871.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2354	2354	2354	2354	2354	
5°	2346	2349	2343	2352	2354	223
15°	2270	2273	2265	2273	2273	641
25°	2111	2108	2102	2105	2108	972
35°	1865	1862	1851	1842	1839	1167
45°	1529	1520	1480	1431	1419	1176
55°	1086	1031	924	872	857	973
65°	611	562	516	475	460	608
75°	261	264	266	258	252	279
85°	58	75	93	87	81	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2354.5	2354.5	2354.5	2354.5	2354.5
2.5°	2351.6	2354.5	2345.8	2357.4	2360.3
5°	2345.8	2348.7	2342.9	2351.6	2354.5
7.5°	2337.1	2337.1	2331.3	2340.0	2342.9
10°	2319.7	2319.7	2314.0	2322.6	2325.5
12.5°	2296.6	2296.6	2293.7	2299.5	2302.4
15°	2270.5	2273.4	2264.7	2273.4	2273.4
17.5°	2238.7	2235.8	2232.9	2238.7	2241.6
20°	2201.0	2201.0	2192.3	2198.1	2201.0
22.5°	2157.6	2157.6	2154.7	2157.6	2154.7
25°	2111.2	2108.3	2102.5	2105.4	2108.3
27.5°	2056.2	2056.2	2050.4	2050.4	2047.5
30°	2001.2	1998.3	1989.6	1983.8	1986.7
32.5°	1934.6	1931.7	1923.0	1917.2	1920.1
35°	1865.1	1862.2	1850.6	1841.9	1839.0
37.5°	1795.6	1786.9	1772.4	1760.8	1749.2
40°	1708.7	1700.0	1685.5	1659.4	1656.5
42.5°	1621.8	1613.1	1589.9	1558.1	1549.4
45°	1529.1	1520.4	1479.9	1430.7	1419.1
47.5°	1430.7	1416.2	1352.5	1291.6	1268.5
50°	1320.6	1294.5	1219.2	1141.0	1115.0
52.5°	1213.5	1167.1	1068.6	999.1	973.1
55°	1086.0	1031.0	923.8	871.7	857.2
57.5°	973.1	897.8	810.9	758.8	747.2
60°	842.8	773.2	703.7	657.4	640.0
62.5°	724.0	663.2	605.3	564.7	544.5
65°	611.1	561.8	515.5	475.0	460.5
67.5°	501.0	475.0	437.3	405.4	396.8
70°	408.3	393.9	367.8	353.3	341.7
72.5°	324.4	330.2	312.8	307.0	298.3
75°	260.6	263.5	266.4	257.7	252.0
77.5°	196.9	211.4	223.0	217.2	211.4
80°	147.7	162.2	182.5	173.8	173.8
82.5°	101.4	118.7	136.1	130.3	127.4
85°	57.9	75.3	92.7	86.9	81.1
87.5°	23.2	37.6	40.5	40.5	37.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)