

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: P737941

Luminaire Tested: **14PT-70-PB1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737941
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-L940
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

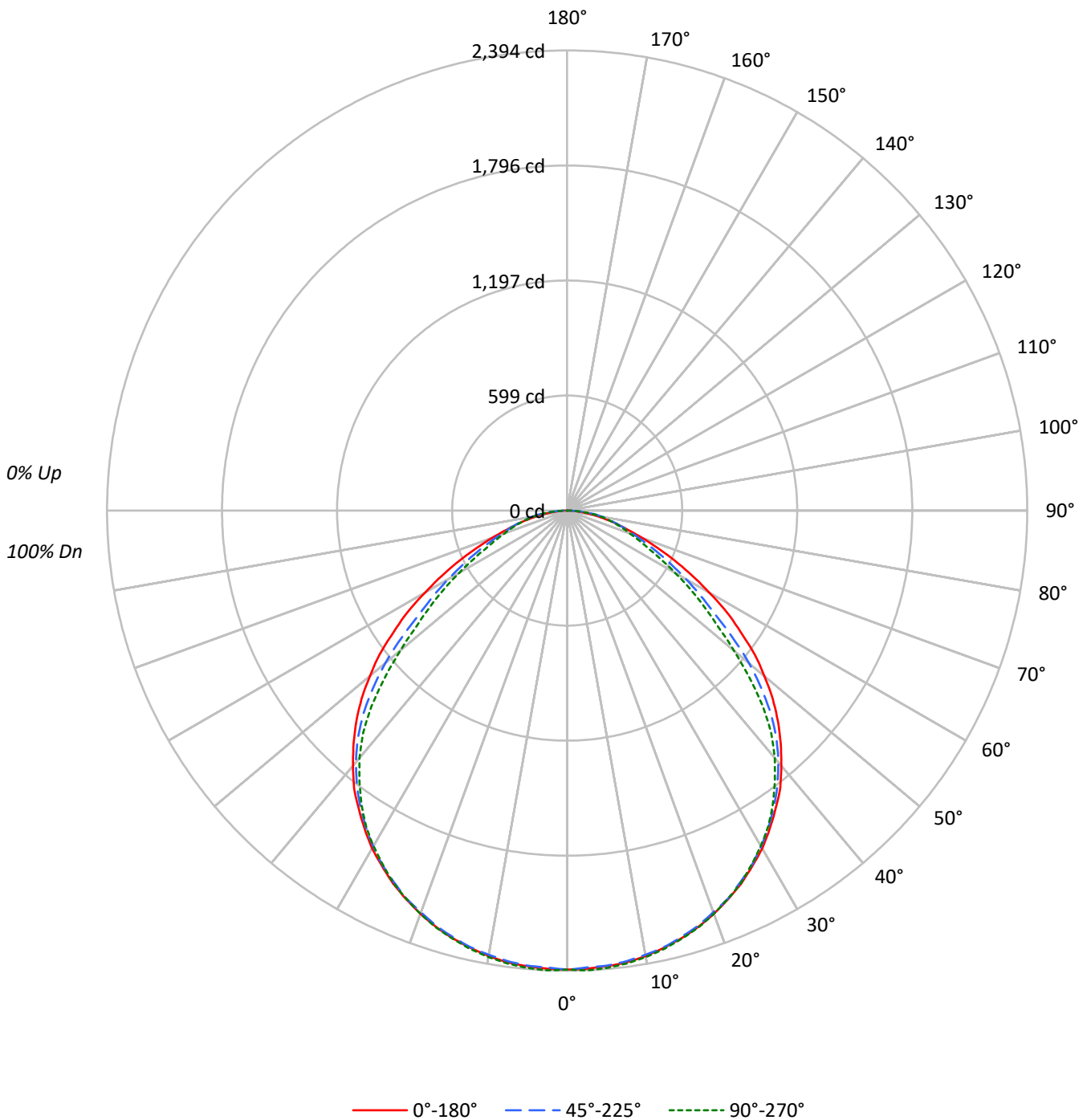
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5955.0 lumens
Efficiency: N/A
Efficacy: 95.0 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				
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75					73				
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64					62				
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56					54				
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49					47				
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44					42				
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39					37				
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35					33				
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32					30				
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29					27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7160	7160	7160
5°	7161	7152	7187
10°	7163	7145	7181
15°	7148	7130	7157
20°	7123	7095	7123
25°	7084	7055	7074
30°	7027	6986	6976
35°	6924	6870	6827
40°	6783	6691	6576
45°	6576	6365	6103
50°	6248	5768	5275
55°	5758	4898	4545
60°	5126	4280	3893
65°	4397	3709	3314
70°	3631	3271	3038
75°	3063	3131	2961
80°	2586	3196	3044
85°	2023	3234	2831



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.4	3.8
10°-20°	649.7	10.9
20°-30°	984.2	16.5
30°-40°	1172.8	19.7
40°-50°	1146.9	19.3
50°-60°	867.4	14.6
60°-70°	533.0	8.9
70°-80°	284.0	4.8
80°-90°	90.6	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°	1860.4	31.2
0°-40°	3033.2	50.9
0°-60°	5047.6	84.8
0°-90°	5955.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5955.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2388	2388	2388	2388	2388	
5°	2379	2382	2376	2385	2388	226
15°	2303	2306	2297	2306	2306	650
25°	2141	2138	2133	2136	2138	986
35°	1892	1889	1877	1868	1865	1183
45°	1551	1542	1501	1451	1439	1193
55°	1102	1046	937	884	870	986
65°	620	570	523	482	467	617
75°	264	267	270	261	256	283
85°	59	76	94	88	82	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2388.2	2388.2	2388.2	2388.2	2388.2
2.5°	2385.3	2388.2	2379.4	2391.1	2394.1
5°	2379.4	2382.3	2376.4	2385.3	2388.2
7.5°	2370.6	2370.6	2364.7	2373.5	2376.4
10°	2352.9	2352.9	2347.1	2355.9	2358.8
12.5°	2329.4	2329.4	2326.5	2332.4	2335.3
15°	2303.0	2305.9	2297.1	2305.9	2305.9
17.5°	2270.7	2267.8	2264.8	2270.7	2273.6
20°	2232.5	2232.5	2223.7	2229.6	2232.5
22.5°	2188.4	2188.4	2185.5	2188.4	2185.5
25°	2141.4	2138.5	2132.6	2135.6	2138.5
27.5°	2085.6	2085.6	2079.8	2079.8	2076.8
30°	2029.8	2026.9	2018.1	2012.2	2015.1
32.5°	1962.3	1959.3	1950.5	1944.6	1947.6
35°	1891.8	1888.8	1877.1	1868.3	1865.3
37.5°	1821.3	1812.4	1797.8	1786.0	1774.3
40°	1733.1	1724.3	1709.6	1683.2	1680.3
42.5°	1645.0	1636.2	1612.7	1580.4	1571.6
45°	1551.0	1542.2	1501.1	1451.1	1439.4
47.5°	1451.1	1436.4	1371.8	1310.1	1286.6
50°	1339.5	1313.1	1236.7	1157.4	1130.9
52.5°	1230.8	1183.8	1083.9	1013.4	987.0
55°	1101.6	1045.8	937.1	884.2	869.5
57.5°	987.0	910.6	822.5	769.6	757.9
60°	854.8	784.3	713.8	666.8	649.2
62.5°	734.4	672.7	613.9	572.8	552.3
65°	619.8	569.9	522.9	481.8	467.1
67.5°	508.2	481.8	443.6	411.3	402.4
70°	414.2	399.5	373.1	358.4	346.6
72.5°	329.0	334.9	317.3	311.4	302.6
75°	264.4	267.3	270.3	261.4	255.6
77.5°	199.8	214.4	226.2	220.3	214.4
80°	149.8	164.5	185.1	176.3	176.3
82.5°	102.8	120.4	138.1	132.2	129.3
85°	58.8	76.4	94.0	88.1	82.3
87.5°	23.5	38.2	41.1	41.1	38.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)