

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: P737939

Luminaire Tested: **14PT-70-PB1-L930**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737939  
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-L930  
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -  
Ballast/Driver: -

**Summary**

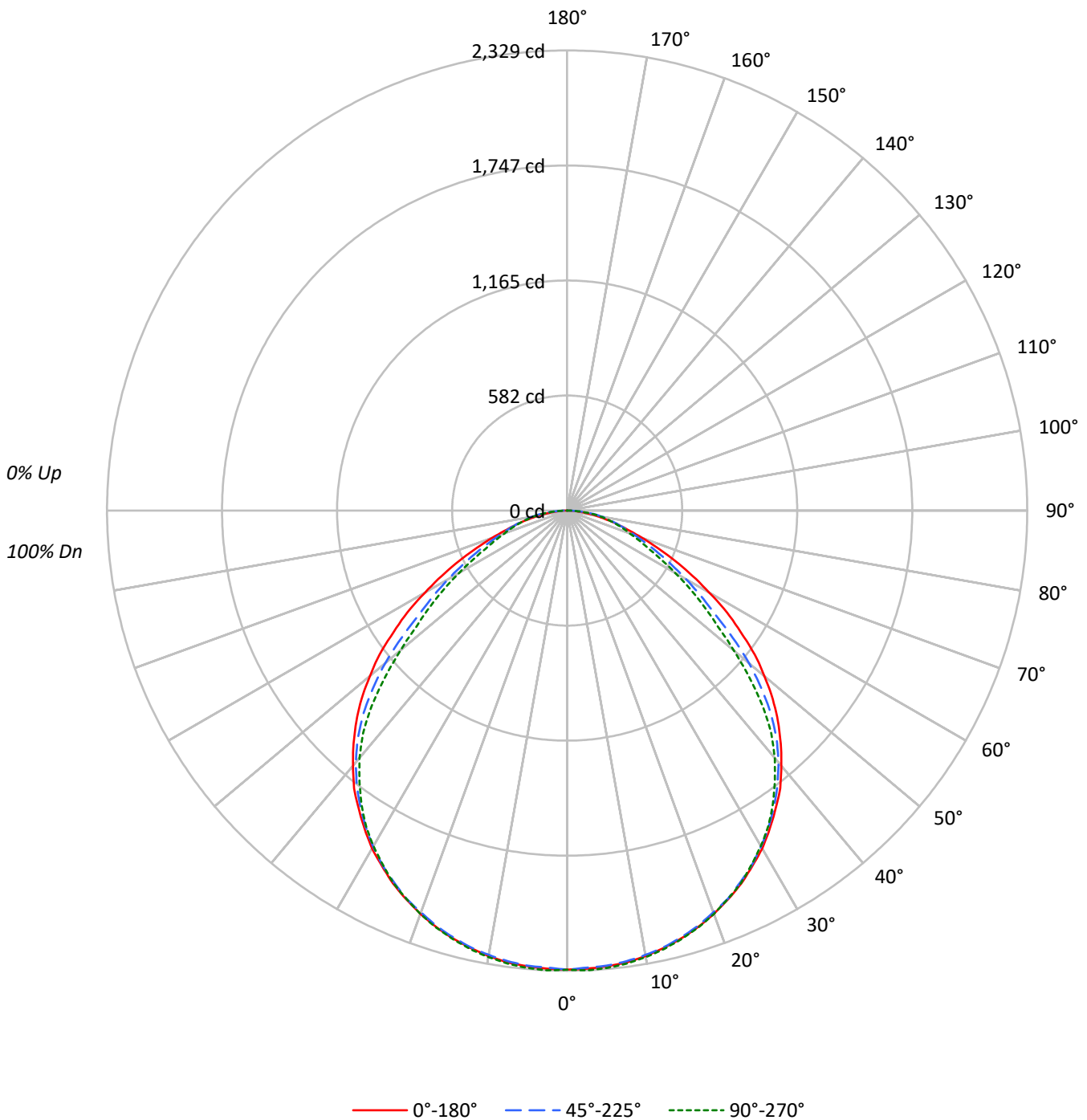
Lumens per Lamp: N/A  
Luminaire Lumens: 5794.0 lumens  
Efficiency: N/A  
Efficacy: 92.4 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34  
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 62.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	6966	6966	6966
5°	6967	6959	6993
10°	6969	6952	6987
15°	6955	6937	6964
20°	6930	6903	6930
25°	6892	6864	6883
30°	6837	6797	6787
35°	6737	6684	6642
40°	6600	6510	6398
45°	6398	6192	5938
50°	6079	5612	5132
55°	5602	4765	4422
60°	4987	4164	3787
65°	4278	3609	3224
70°	3533	3182	2957
75°	2979	3045	2881
80°	2517	3109	2961
85°	1968	3148	2752



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	220.3	3.8
10°-20°	632.2	10.9
20°-30°	957.6	16.5
30°-40°	1141.1	19.7
40°-50°	1115.9	19.3
50°-60°	844.0	14.6
60°-70°	518.5	8.9
70°-80°	276.3	4.8
80°-90°	88.1	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°	1810.1	31.2
0°-40°	2951.2	50.9
0°-60°	4911.1	84.8
0°-90°	5794.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5794.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2324	2324	2324	2324	2324	
5°	2315	2318	2312	2321	2324	220
15°	2241	2244	2235	2244	2244	632
25°	2084	2081	2075	2078	2081	960
35°	1841	1838	1826	1818	1815	1151
45°	1509	1500	1460	1412	1400	1161
55°	1072	1018	912	860	846	960
65°	603	554	509	469	454	600
75°	257	260	263	254	249	276
85°	57	74	92	86	80	69
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2323.6	2323.6	2323.6	2323.6	2323.6
2.5°	2320.8	2323.6	2315.0	2326.5	2329.3
5°	2315.0	2317.9	2312.2	2320.8	2323.6
7.5°	2306.5	2306.5	2300.8	2309.3	2312.2
10°	2289.3	2289.3	2283.6	2292.2	2295.0
12.5°	2266.5	2266.5	2263.6	2269.3	2272.2
15°	2240.7	2243.6	2235.0	2243.6	2243.6
17.5°	2209.3	2206.4	2203.6	2209.3	2212.2
20°	2172.1	2172.1	2163.6	2169.3	2172.1
22.5°	2129.3	2129.3	2126.4	2129.3	2126.4
25°	2083.5	2080.7	2075.0	2077.8	2080.7
27.5°	2029.2	2029.2	2023.5	2023.5	2020.7
30°	1974.9	1972.1	1963.5	1957.8	1960.6
32.5°	1909.2	1906.3	1897.8	1892.1	1894.9
35°	1840.6	1837.7	1826.3	1817.7	1814.9
37.5°	1772.0	1763.4	1749.1	1737.7	1726.3
40°	1686.3	1677.7	1663.4	1637.7	1634.8
42.5°	1600.5	1592.0	1569.1	1537.6	1529.1
45°	1509.1	1500.5	1460.5	1411.9	1400.5
47.5°	1411.9	1397.6	1334.7	1274.7	1251.8
50°	1303.3	1277.6	1203.3	1126.1	1100.4
52.5°	1197.5	1151.8	1054.6	986.0	960.3
55°	1071.8	1017.5	911.7	860.3	846.0
57.5°	960.3	886.0	800.3	748.8	737.4
60°	831.7	763.1	694.5	648.8	631.6
62.5°	714.5	654.5	597.3	557.3	537.3
65°	603.1	554.5	508.7	468.7	454.4
67.5°	494.4	468.7	431.6	400.1	391.6
70°	403.0	388.7	363.0	348.7	337.3
72.5°	320.1	325.8	308.7	303.0	294.4
75°	257.2	260.1	262.9	254.4	248.7
77.5°	194.3	208.6	220.1	214.4	208.6
80°	145.8	160.1	180.1	171.5	171.5
82.5°	100.0	117.2	134.3	128.6	125.8
85°	57.2	74.3	91.5	85.7	80.0
87.5°	22.9	37.2	40.0	40.0	37.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)