

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: P737983

Luminaire Tested: **14PT-80-PB1-L830**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737983  
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-80-PB1-L830  
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -  
Ballast/Driver: -

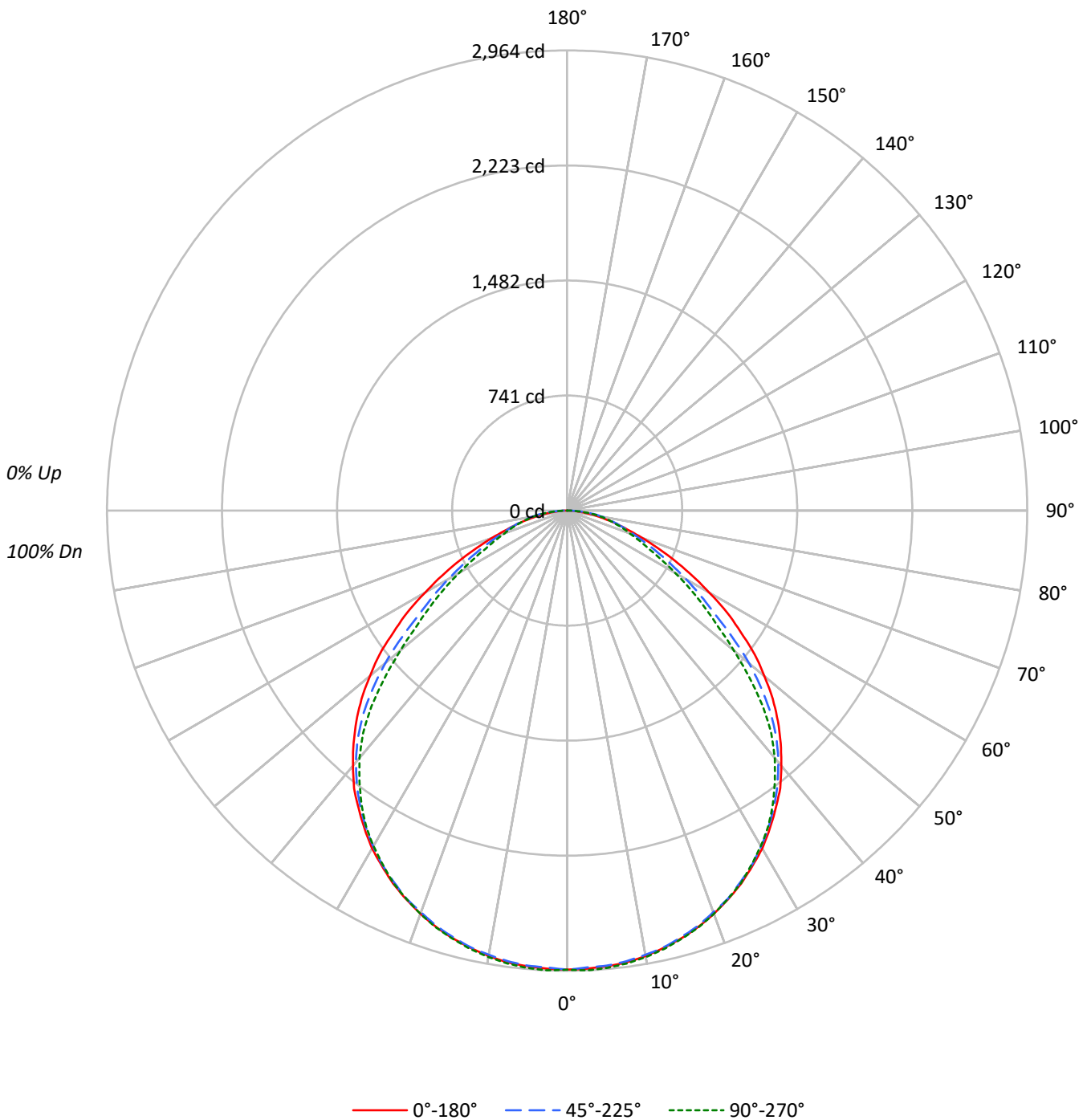
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7373.0 lumens  
Efficiency: N/A  
Efficacy: 103.8 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): 71  
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				
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°	8865	8865	8865
5°	8866	8855	8899
10°	8869	8846	8891
15°	8850	8828	8861
20°	8819	8784	8819
25°	8771	8734	8759
30°	8700	8650	8637
35°	8572	8506	8453
40°	8398	8284	8142
45°	8142	7880	7556
50°	7736	7142	6531
55°	7129	6064	5627
60°	6346	5299	4820
65°	5444	4593	4102
70°	4495	4049	3762
75°	3791	3876	3665
80°	3203	3955	3767
85°	2501	4004	3502



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	280.4	3.8
10°-20°	804.5	10.9
20°-30°	1218.6	16.5
30°-40°	1452.1	19.7
40°-50°	1420.0	19.3
50°-60°	1074.0	14.6
60°-70°	659.9	8.9
70°-80°	351.5	4.8
80°-90°	112.1	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°	2303.4	31.2
0°-40°	3755.5	50.9
0°-60°	6249.5	84.8
0°-90°	7373.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7373.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2957	2957	2957	2957	2957	
5°	2946	2950	2942	2953	2957	280
15°	2851	2855	2844	2855	2855	805
25°	2651	2648	2640	2644	2648	1221
35°	2342	2339	2324	2313	2310	1465
45°	1920	1909	1858	1797	1782	1477
55°	1364	1295	1160	1095	1076	1221
65°	767	706	647	596	578	764
75°	327	331	335	324	316	351
85°	73	95	116	109	102	88
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2956.9	2956.9	2956.9	2956.9	2956.9
2.5°	2953.2	2956.9	2946.0	2960.5	2964.1
5°	2946.0	2949.6	2942.3	2953.2	2956.9
7.5°	2935.0	2935.0	2927.8	2938.7	2942.3
10°	2913.2	2913.2	2905.9	2916.9	2920.5
12.5°	2884.1	2884.1	2880.5	2887.8	2891.4
15°	2851.4	2855.0	2844.1	2855.0	2855.0
17.5°	2811.4	2807.7	2804.1	2811.4	2815.0
20°	2764.1	2764.1	2753.2	2760.5	2764.1
22.5°	2709.5	2709.5	2705.9	2709.5	2705.9
25°	2651.4	2647.7	2640.4	2644.1	2647.7
27.5°	2582.3	2582.3	2575.0	2575.0	2571.3
30°	2513.2	2509.5	2498.6	2491.3	2495.0
32.5°	2429.5	2425.9	2415.0	2407.7	2411.3
35°	2342.2	2338.6	2324.0	2313.1	2309.5
37.5°	2254.9	2244.0	2225.8	2211.3	2196.7
40°	2145.8	2134.9	2116.7	2084.0	2080.4
42.5°	2036.7	2025.8	1996.7	1956.7	1945.8
45°	1920.3	1909.4	1858.5	1796.7	1782.1
47.5°	1796.7	1778.5	1698.5	1622.1	1593.0
50°	1658.5	1625.7	1531.2	1433.0	1400.2
52.5°	1523.9	1465.7	1342.0	1254.8	1222.0
55°	1363.9	1294.8	1160.2	1094.7	1076.5
57.5°	1222.0	1127.5	1018.4	952.9	938.3
60°	1058.4	971.1	883.8	825.6	803.8
62.5°	909.2	832.9	760.1	709.2	683.8
65°	767.4	705.6	647.4	596.5	578.3
67.5°	629.2	596.5	549.2	509.2	498.3
70°	512.8	494.6	461.9	443.7	429.2
72.5°	407.3	414.6	392.8	385.5	374.6
75°	327.3	331.0	334.6	323.7	316.4
77.5°	247.3	265.5	280.0	272.8	265.5
80°	185.5	203.7	229.1	218.2	218.2
82.5°	127.3	149.1	170.9	163.7	160.0
85°	72.7	94.6	116.4	109.1	101.8
87.5°	29.1	47.3	50.9	50.9	47.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)