

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: P737995

Luminaire Tested: **14PT-80-PC3-L930**

Issue Date: 2/8/2024



**Test Information**

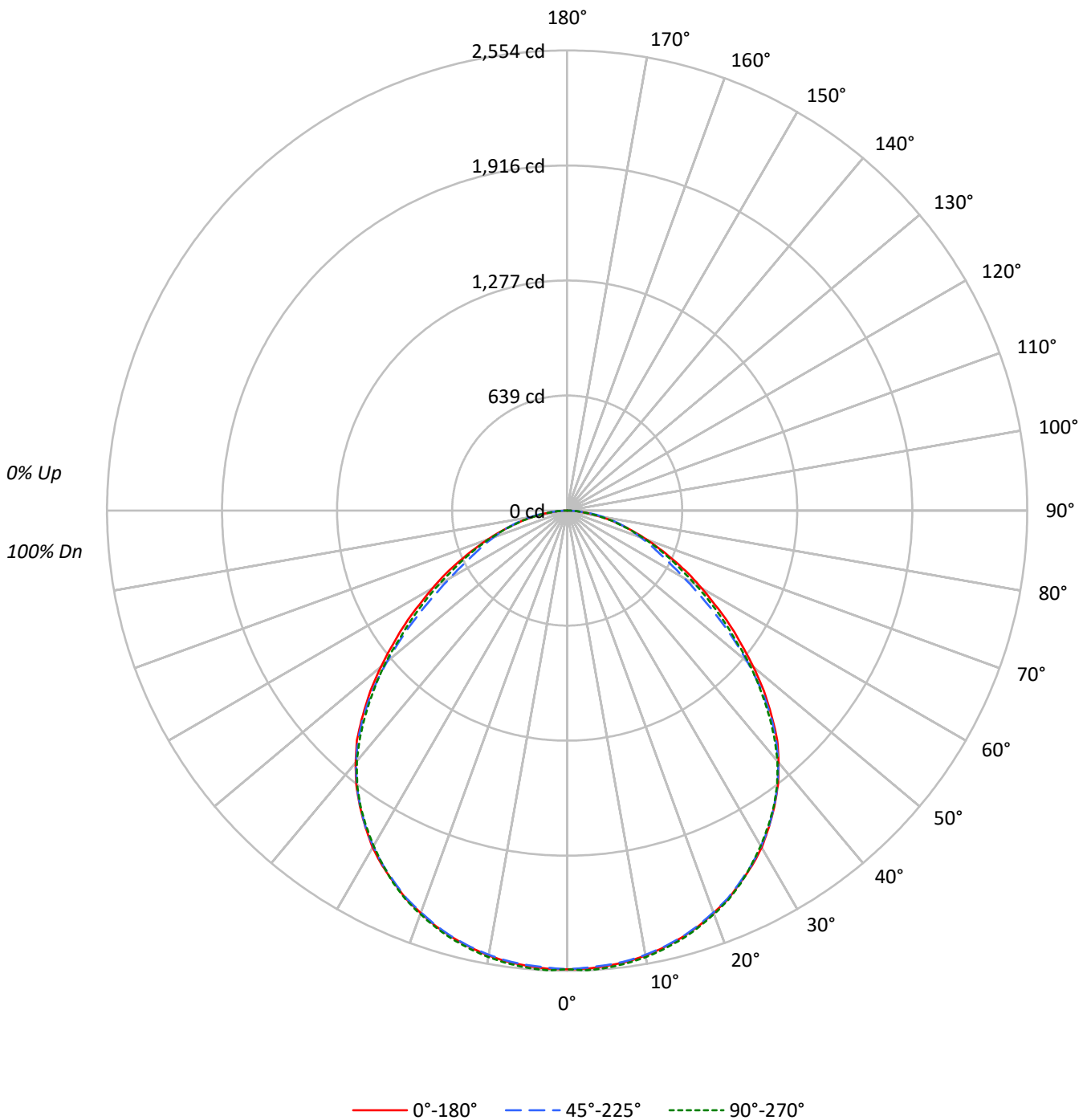
Test Method: LM-79-08  
Report Number: P737995  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-80-PC3-L930  
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6419.0 lumens  
Efficiency: N/A  
Efficacy: 90.4 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): 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	92	90	91	89	87	85					85			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72					72			
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62					62			
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54					54			
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47					47			
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41					41			
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37					37			
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27					27			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	7634	7634	7634
5°	7635	7622	7666
10°	7635	7621	7663
15°	7618	7609	7643
20°	7583	7572	7604
25°	7531	7519	7549
30°	7475	7450	7437
35°	7339	7333	7319
40°	7146	7135	7103
45°	6796	6745	6676
50°	6291	6078	6146
55°	5741	5274	5512
60°	5176	4500	4936
65°	4625	4024	4438
70°	4103	3808	3991
75°	3629	3692	3555
80°	3128	3522	3113
85°	2349	2786	2349



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	241.5	3.8
10°-20°	693.2	10.8
20°-30°	1049.5	16.3
30°-40°	1251.2	19.5
40°-50°	1222.6	19.0
50°-60°	934.8	14.6
60°-70°	600.2	9.3
70°-80°	333.9	5.2
80°-90°	92.2	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°	1984.1	30.9
0°-40°	3235.3	50.4
0°-60°	5392.7	84.0
0°-90°	6419.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6419.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2546	2546	2546	2546	2546	
5°	2537	2539	2533	2544	2547	241
15°	2454	2456	2452	2460	2462	693
25°	2277	2279	2273	2280	2282	1050
35°	2005	2007	2004	2003	2000	1253
45°	1603	1606	1591	1587	1574	1233
55°	1098	1060	1009	1022	1055	982
65°	652	602	567	586	626	650
75°	313	316	319	314	307	335
85°	68	80	81	78	68	84
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2546.2	2546.2	2546.2	2546.2	2546.2
2.5°	2544.4	2545.3	2538.9	2549.9	2553.5
5°	2537.1	2538.9	2532.6	2544.4	2547.1
7.5°	2526.2	2528.0	2521.6	2533.5	2534.4
10°	2508.0	2508.9	2503.4	2515.3	2517.1
12.5°	2483.4	2486.1	2479.8	2490.7	2491.6
15°	2454.3	2456.1	2451.5	2459.7	2462.5
17.5°	2419.7	2420.6	2416.0	2425.1	2426.0
20°	2376.8	2376.8	2373.2	2383.2	2383.2
22.5°	2333.1	2330.4	2329.5	2333.1	2338.6
25°	2276.7	2279.4	2273.0	2280.3	2282.1
27.5°	2222.0	2222.0	2216.6	2220.2	2215.7
30°	2159.2	2155.6	2151.9	2152.8	2148.3
32.5°	2083.6	2083.6	2081.8	2081.8	2076.3
35°	2005.3	2007.1	2003.5	2002.6	1999.8
37.5°	1921.5	1924.2	1917.9	1916.1	1914.2
40°	1825.9	1825.9	1823.2	1819.5	1815.0
42.5°	1726.6	1726.6	1714.8	1705.7	1699.3
45°	1602.8	1606.4	1590.9	1587.3	1574.5
47.5°	1479.8	1477.1	1456.2	1453.4	1446.1
50°	1348.7	1333.2	1303.2	1311.4	1317.7
52.5°	1217.6	1198.4	1154.7	1163.8	1174.8
55°	1098.3	1060.0	1009.0	1021.8	1054.6
57.5°	973.5	922.5	871.5	895.2	936.2
60°	863.3	805.9	750.4	775.9	823.2
62.5°	757.7	696.7	652.0	676.6	716.7
65°	652.0	602.0	567.3	586.5	625.6
67.5°	555.5	521.8	498.1	507.2	539.1
70°	468.1	447.1	434.4	437.1	455.3
72.5°	385.2	379.7	375.2	375.2	377.0
75°	313.3	316.0	318.7	314.2	306.9
77.5°	246.8	255.9	262.3	253.2	244.1
80°	181.2	195.8	204.0	194.0	180.3
82.5°	123.9	140.2	143.0	136.6	121.1
85°	68.3	80.1	81.0	78.3	68.3
87.5°	25.5	30.1	32.8	30.1	26.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)