

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: P737715

Luminaire Tested: **14PT-20-PC3-L930**

Issue Date: 2/8/2024



**Test Information**

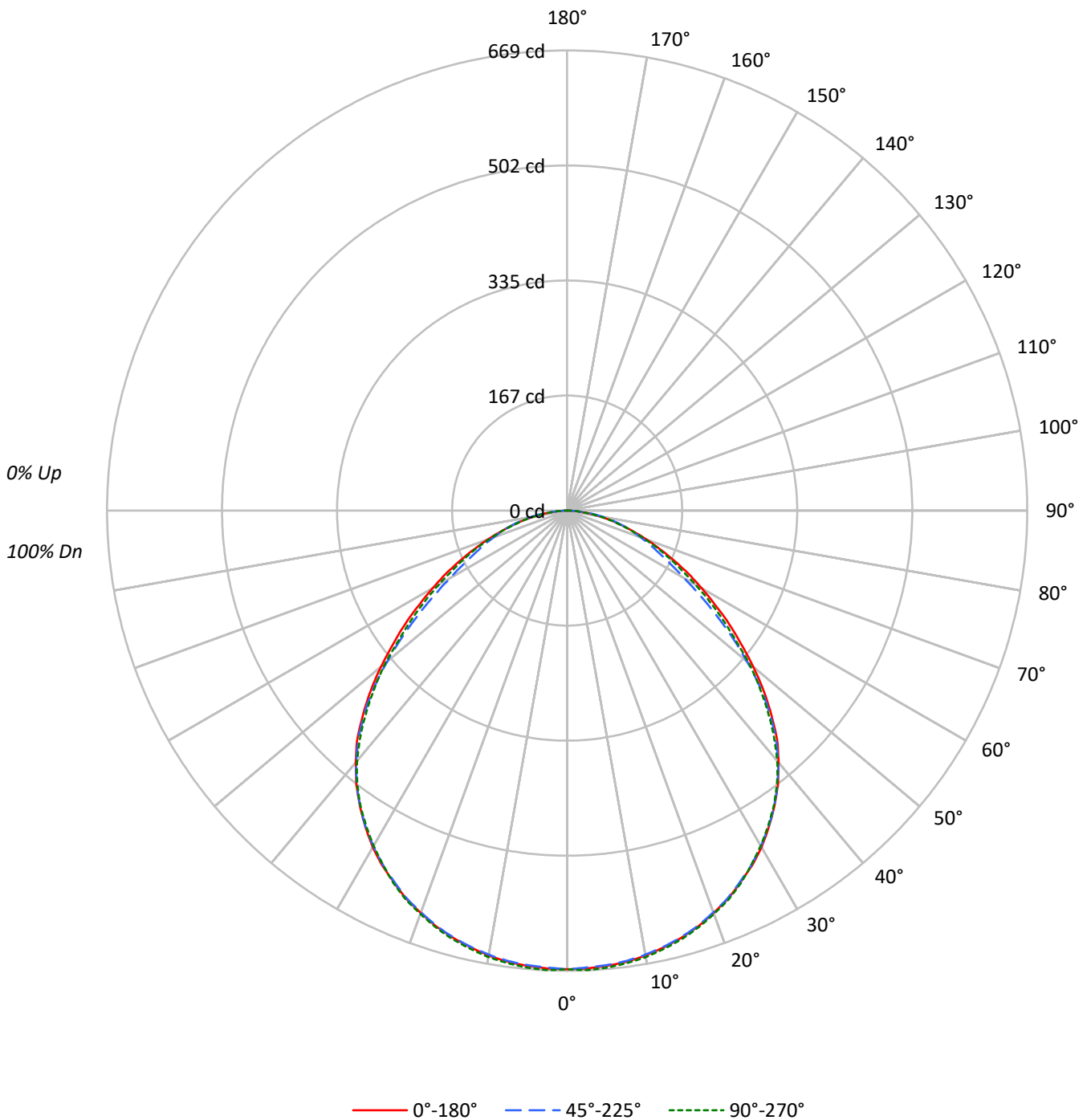
Test Method: LM-79-08  
Report Number: P737715  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-20-PC3-L930  
Description: 2000 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: 1681.0 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): 16.2  
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93		95	92	90		91	89	87	85
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	75	72
3	92	82	74	68	90	80	73	68	77	71	66		75	70	65		72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57		67	61	56		65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50		61	54	49		59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44		55	49	44		53	48	43	41
7	67	54	46	40	65	53	45	39	52	44	39		50	44	39		49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35		46	40	35		45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32		43	36	32		42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29		40	33	29		39	33	29	27

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

	0°	45°	90°
0°	1999	1999	1999
5°	2000	1996	2007
10°	2000	1996	2007
15°	1995	1993	2002
20°	1986	1983	1991
25°	1972	1969	1977
30°	1957	1951	1948
35°	1922	1920	1917
40°	1872	1868	1860
45°	1779	1766	1748
50°	1647	1592	1610
55°	1503	1381	1444
60°	1356	1178	1293
65°	1212	1054	1162
70°	1075	998	1045
75°	950	967	931
80°	820	922	815
85°	616	729	616



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.2	3.8
10°-20°	181.5	10.8
20°-30°	274.8	16.3
30°-40°	327.7	19.5
40°-50°	320.2	19.0
50°-60°	244.8	14.6
60°-70°	157.2	9.4
70°-80°	87.4	5.2
80°-90°	24.2	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°	519.6	30.9
0°-40°	847.3	50.4
0°-60°	1412.2	84.0
0°-90°	1681.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1681.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	667	667	667	667	667	
5°	664	665	663	666	667	63
15°	643	643	642	644	645	181
25°	596	597	595	597	598	275
35°	525	526	525	524	524	328
45°	420	421	417	416	412	323
55°	288	278	264	268	276	257
65°	171	158	149	154	164	170
75°	82	83	84	82	80	88
85°	18	21	21	20	18	22
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	666.8	666.8	666.8	666.8	666.8
2.5°	666.3	666.6	664.9	667.8	668.7
5°	664.4	664.9	663.2	666.3	667.0
7.5°	661.6	662.0	660.4	663.5	663.7
10°	656.8	657.0	655.6	658.7	659.2
12.5°	650.3	651.1	649.4	652.3	652.5
15°	642.7	643.2	642.0	644.1	644.9
17.5°	633.7	633.9	632.7	635.1	635.3
20°	622.4	622.4	621.5	624.1	624.1
22.5°	611.0	610.3	610.0	611.0	612.4
25°	596.2	596.9	595.3	597.2	597.6
27.5°	581.9	581.9	580.5	581.4	580.2
30°	565.4	564.5	563.5	563.8	562.6
32.5°	545.7	545.7	545.2	545.2	543.7
35°	525.1	525.6	524.7	524.4	523.7
37.5°	503.2	503.9	502.2	501.8	501.3
40°	478.2	478.2	477.4	476.5	475.3
42.5°	452.2	452.2	449.1	446.7	445.0
45°	419.7	420.7	416.6	415.7	412.3
47.5°	387.5	386.8	381.3	380.6	378.7
50°	353.2	349.1	341.3	343.4	345.1
52.5°	318.9	313.8	302.4	304.8	307.6
55°	287.6	277.6	264.2	267.6	276.2
57.5°	254.9	241.6	228.2	234.4	245.2
60°	226.1	211.1	196.5	203.2	215.6
62.5°	198.4	182.4	170.8	177.2	187.7
65°	170.8	157.6	148.6	153.6	163.8
67.5°	145.5	136.7	130.5	132.8	141.2
70°	122.6	117.1	113.8	114.5	119.2
72.5°	100.9	99.4	98.3	98.3	98.7
75°	82.0	82.8	83.5	82.3	80.4
77.5°	64.6	67.0	68.7	66.3	63.9
80°	47.5	51.3	53.4	50.8	47.2
82.5°	32.4	36.7	37.4	35.8	31.7
85°	17.9	21.0	21.2	20.5	17.9
87.5°	6.7	7.9	8.6	7.9	6.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)