

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: P737711

Luminaire Tested: **14PT-20-PC3-L830**

Issue Date: 2/8/2024



**Test Information**

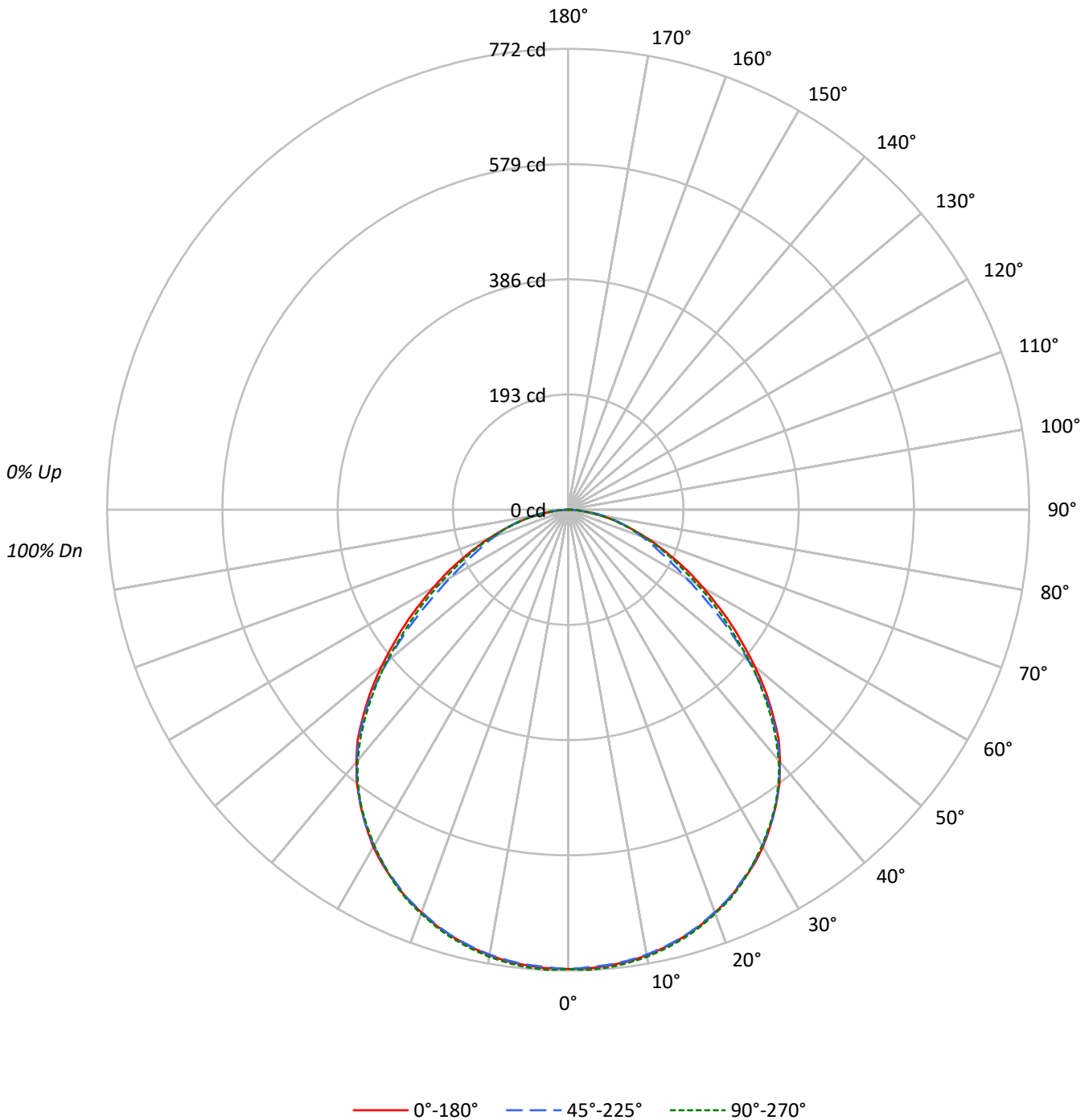
Test Method: LM-79-08  
Report Number: P737711  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-20-PC3-L830  
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1940.0 lumens  
Efficiency: N/A  
Efficacy: 119.8 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°	2307	2307	2307
5°	2308	2303	2317
10°	2308	2303	2316
15°	2302	2300	2310
20°	2292	2288	2298
25°	2276	2273	2282
30°	2259	2252	2248
35°	2218	2216	2212
40°	2160	2156	2147
45°	2054	2039	2018
50°	1901	1837	1858
55°	1735	1594	1666
60°	1564	1360	1492
65°	1398	1217	1341
70°	1240	1151	1206
75°	1097	1116	1075
80°	946	1065	941
85°	709	843	709



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.0	3.8
10°-20°	209.5	10.8
20°-30°	317.2	16.3
30°-40°	378.1	19.5
40°-50°	369.5	19.0
50°-60°	282.5	14.6
60°-70°	181.4	9.4
70°-80°	100.9	5.2
80°-90°	27.9	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°	599.7	30.9
0°-40°	977.8	50.4
0°-60°	1629.8	84.0
0°-90°	1940.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1940.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	770	770	770	770	770	
5°	767	767	765	769	770	73
15°	742	742	741	743	744	209
25°	688	689	687	689	690	317
35°	606	607	606	605	604	379
45°	484	486	481	480	476	373
55°	332	320	305	309	319	297
65°	197	182	172	177	189	197
75°	95	96	96	95	93	101
85°	21	24	24	24	21	25
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	769.5	769.5	769.5	769.5	769.5
2.5°	769.0	769.3	767.3	770.6	771.7
5°	766.8	767.3	765.4	769.0	769.8
7.5°	763.5	764.0	762.1	765.7	766.0
10°	758.0	758.3	756.6	760.2	760.7
12.5°	750.6	751.4	749.5	752.8	753.0
15°	741.7	742.3	740.9	743.4	744.2
17.5°	731.3	731.6	730.2	732.9	733.2
20°	718.3	718.3	717.2	720.3	720.3
22.5°	705.1	704.3	704.0	705.1	706.8
25°	688.1	688.9	687.0	689.2	689.7
27.5°	671.6	671.6	669.9	671.0	669.6
30°	652.6	651.5	650.4	650.6	649.3
32.5°	629.7	629.7	629.2	629.2	627.5
35°	606.1	606.6	605.5	605.2	604.4
37.5°	580.7	581.6	579.6	579.1	578.5
40°	551.8	551.8	551.0	549.9	548.5
42.5°	521.8	521.8	518.3	515.5	513.6
45°	484.4	485.5	480.8	479.7	475.9
47.5°	447.2	446.4	440.1	439.3	437.1
50°	407.6	402.9	393.9	396.3	398.3
52.5°	368.0	362.2	349.0	351.7	355.0
55°	331.9	320.4	305.0	308.8	318.7
57.5°	294.2	278.8	263.4	270.6	282.9
60°	260.9	243.6	226.8	234.5	248.8
62.5°	229.0	210.6	197.1	204.5	216.6
65°	197.1	181.9	171.5	177.2	189.1
67.5°	167.9	157.7	150.6	153.3	162.9
70°	141.5	135.1	131.3	132.1	137.6
72.5°	116.4	114.8	113.4	113.4	113.9
75°	94.7	95.5	96.3	95.0	92.8
77.5°	74.6	77.3	79.3	76.5	73.8
80°	54.8	59.2	61.7	58.6	54.5
82.5°	37.4	42.4	43.2	41.3	36.6
85°	20.6	24.2	24.5	23.7	20.6
87.5°	7.7	9.1	9.9	9.1	8.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)