

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: P737717

Luminaire Tested: **14PT-20-PC3-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737717
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-L940
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

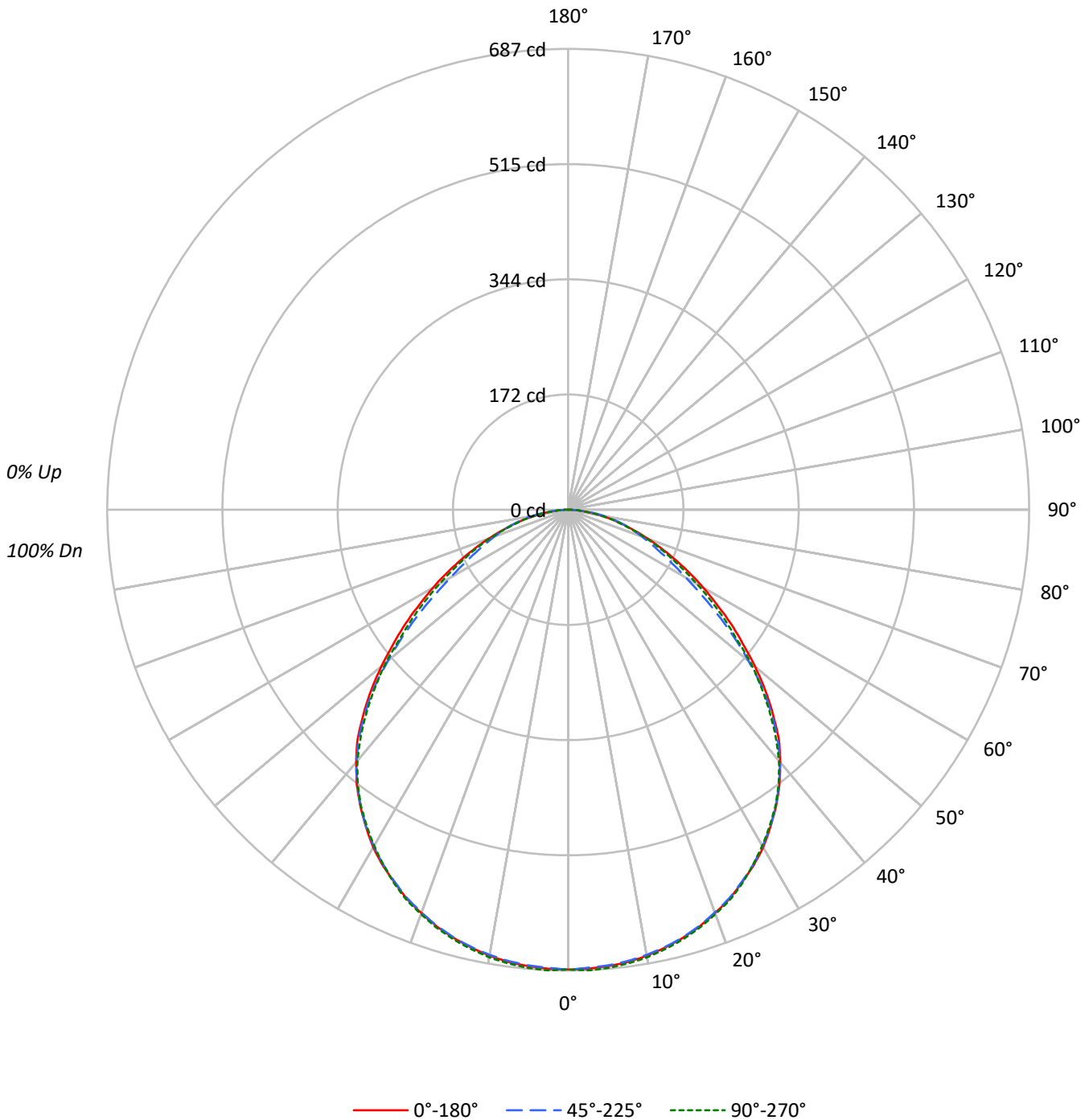
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1728.0 lumens
Efficiency: N/A
Efficacy: 106.7 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_{in}): 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°	2055	2055	2055
5°	2056	2052	2064
10°	2056	2052	2063
15°	2051	2049	2058
20°	2041	2038	2047
25°	2027	2024	2032
30°	2012	2005	2002
35°	1976	1974	1971
40°	1924	1921	1912
45°	1830	1816	1797
50°	1694	1636	1654
55°	1546	1420	1484
60°	1394	1211	1329
65°	1245	1083	1195
70°	1104	1025	1075
75°	977	994	957
80°	843	948	837
85°	633	750	633



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	3.8
10°-20°	186.6	10.8
20°-30°	282.5	16.3
30°-40°	336.8	19.5
40°-50°	329.1	19.0
50°-60°	251.7	14.6
60°-70°	161.6	9.3
70°-80°	89.9	5.2
80°-90°	24.8	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°	534.1	30.9
0°-40°	871.0	50.4
0°-60°	1451.7	84.0
0°-90°	1728.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1728.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	685	685	685	685	685	
5°	683	684	682	685	686	65
15°	661	661	660	662	663	186
25°	613	614	612	614	614	283
35°	540	540	539	539	538	337
45°	432	432	428	427	424	332
55°	296	285	272	275	284	264
65°	176	162	153	158	168	175
75°	84	85	86	85	83	90
85°	18	22	22	21	18	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	685.4	685.4	685.4	685.4	685.4
2.5°	685.0	685.2	683.5	686.4	687.4
5°	683.0	683.5	681.8	685.0	685.7
7.5°	680.1	680.5	678.8	682.0	682.3
10°	675.2	675.4	673.9	677.1	677.6
12.5°	668.5	669.3	667.6	670.5	670.7
15°	660.7	661.2	660.0	662.2	662.9
17.5°	651.4	651.6	650.4	652.8	653.1
20°	639.8	639.8	638.9	641.6	641.6
22.5°	628.1	627.3	627.1	628.1	629.6
25°	612.9	613.6	611.9	613.9	614.4
27.5°	598.2	598.2	596.7	597.7	596.5
30°	581.3	580.3	579.3	579.5	578.3
32.5°	560.9	560.9	560.4	560.4	558.9
35°	539.8	540.3	539.3	539.1	538.4
37.5°	517.3	518.0	516.3	515.8	515.3
40°	491.5	491.5	490.8	489.8	488.6
42.5°	464.8	464.8	461.6	459.2	457.5
45°	431.5	432.5	428.3	427.3	423.9
47.5°	398.4	397.6	392.0	391.3	389.3
50°	363.1	358.9	350.8	353.0	354.7
52.5°	327.8	322.6	310.9	313.3	316.2
55°	295.7	285.4	271.6	275.1	283.9
57.5°	262.1	248.3	234.6	241.0	252.0
60°	232.4	217.0	202.0	208.9	221.6
62.5°	204.0	187.5	175.5	182.1	192.9
65°	175.5	162.0	152.7	157.9	168.4
67.5°	149.5	140.5	134.1	136.6	145.1
70°	126.0	120.4	116.9	117.7	122.6
72.5°	103.7	102.2	101.0	101.0	101.5
75°	84.3	85.1	85.8	84.6	82.6
77.5°	66.4	68.9	70.6	68.2	65.7
80°	48.8	52.7	54.9	52.2	48.5
82.5°	33.3	37.8	38.5	36.8	32.6
85°	18.4	21.6	21.8	21.1	18.4
87.5°	6.9	8.1	8.8	8.1	7.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)