

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: P737716

Luminaire Tested: **14PT-20-PC3-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737716
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-L935
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

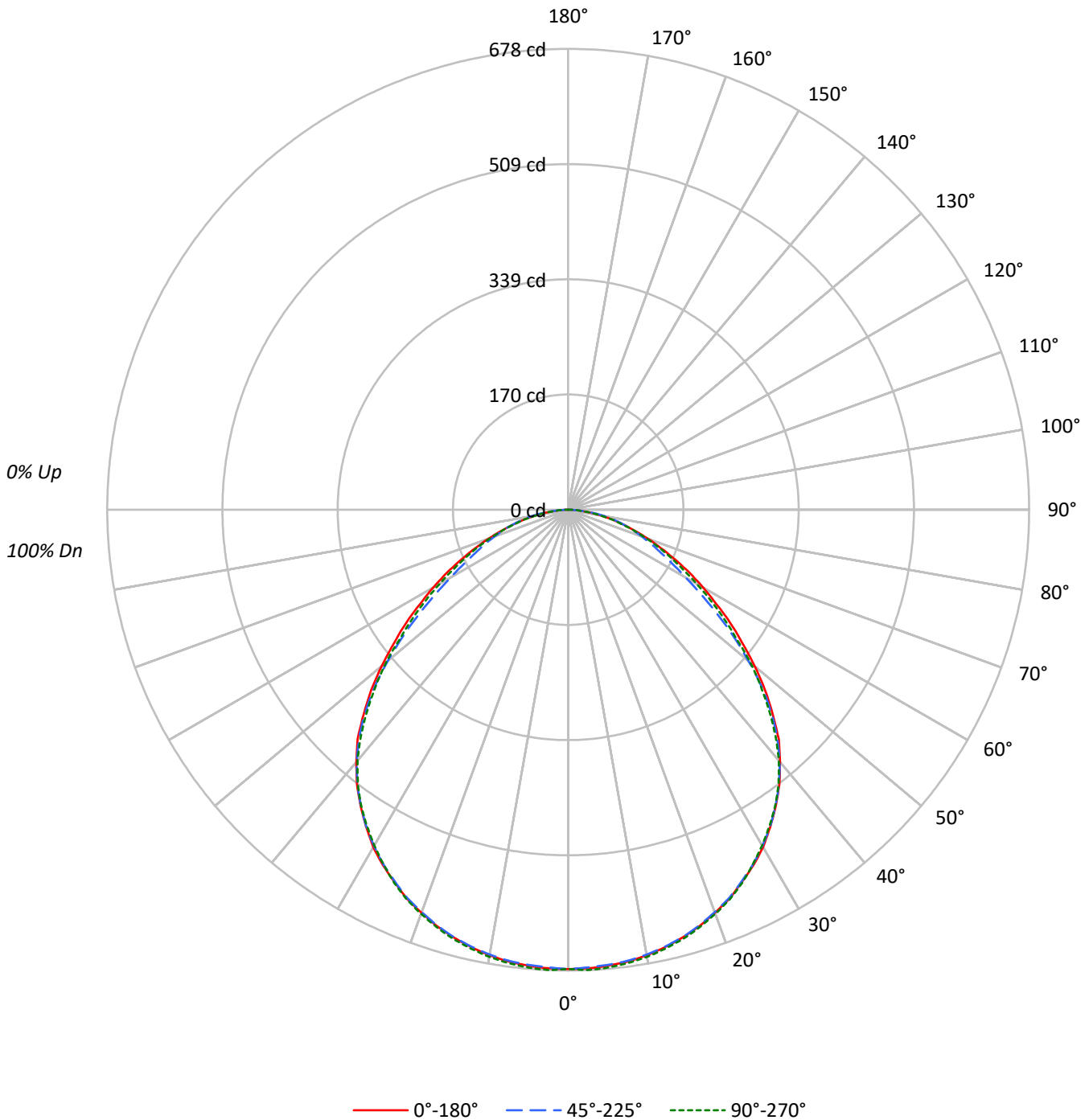
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1704.0 lumens
Efficiency: N/A
Efficacy: 105.2 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°	2026	2026	2026
5°	2027	2023	2035
10°	2027	2023	2034
15°	2022	2020	2029
20°	2013	2010	2019
25°	1999	1996	2004
30°	1984	1978	1974
35°	1948	1946	1943
40°	1897	1894	1886
45°	1804	1791	1772
50°	1670	1613	1632
55°	1524	1400	1463
60°	1374	1194	1310
65°	1228	1068	1178
70°	1090	1011	1060
75°	964	980	944
80°	830	936	827
85°	623	740	623



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.1	3.8
10°-20°	184.0	10.8
20°-30°	278.6	16.3
30°-40°	332.1	19.5
40°-50°	324.5	19.0
50°-60°	248.2	14.6
60°-70°	159.3	9.3
70°-80°	88.6	5.2
80°-90°	24.5	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°	526.7	30.9
0°-40°	858.9	50.4
0°-60°	1431.6	84.0
0°-90°	1704.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1704.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	676	676	676	676	676	
5°	674	674	672	675	676	64
15°	652	652	651	653	654	184
25°	604	605	603	605	606	279
35°	532	533	532	532	531	333
45°	426	426	422	421	418	327
55°	292	281	268	271	280	261
65°	173	160	151	156	166	173
75°	83	84	85	83	82	89
85°	18	21	22	21	18	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	675.9	675.9	675.9	675.9	675.9
2.5°	675.4	675.7	674.0	676.9	677.9
5°	673.5	674.0	672.3	675.4	676.2
7.5°	670.6	671.1	669.4	672.5	672.8
10°	665.8	666.0	664.6	667.7	668.2
12.5°	659.2	660.0	658.3	661.2	661.4
15°	651.5	652.0	650.8	653.0	653.7
17.5°	642.3	642.6	641.4	643.8	644.0
20°	631.0	631.0	630.0	632.7	632.7
22.5°	619.4	618.6	618.4	619.4	620.8
25°	604.4	605.1	603.4	605.3	605.8
27.5°	589.9	589.9	588.4	589.4	588.2
30°	573.2	572.2	571.3	571.5	570.3
32.5°	553.1	553.1	552.6	552.6	551.2
35°	532.3	532.8	531.8	531.6	530.9
37.5°	510.1	510.8	509.1	508.6	508.2
40°	484.7	484.7	484.0	483.0	481.8
42.5°	458.4	458.4	455.2	452.8	451.1
45°	425.5	426.4	422.3	421.4	418.0
47.5°	392.8	392.1	386.6	385.8	383.9
50°	358.0	353.9	345.9	348.1	349.8
52.5°	323.2	318.1	306.5	309.0	311.9
55°	291.5	281.4	267.9	271.2	279.9
57.5°	258.4	244.9	231.4	237.6	248.5
60°	229.2	213.9	199.2	206.0	218.5
62.5°	201.1	184.9	173.1	179.6	190.3
65°	173.1	159.8	150.6	155.7	166.1
67.5°	147.5	138.5	132.2	134.7	143.1
70°	124.3	118.7	115.3	116.0	120.9
72.5°	102.3	100.8	99.6	99.6	100.1
75°	83.2	83.9	84.6	83.4	81.5
77.5°	65.5	67.9	69.6	67.2	64.8
80°	48.1	52.0	54.2	51.5	47.9
82.5°	32.9	37.2	38.0	36.3	32.2
85°	18.1	21.3	21.5	20.8	18.1
87.5°	6.8	8.0	8.7	8.0	7.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)