

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: P737733

Luminaire Tested: **14PT-20-PP3-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-20-PP3-L940
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

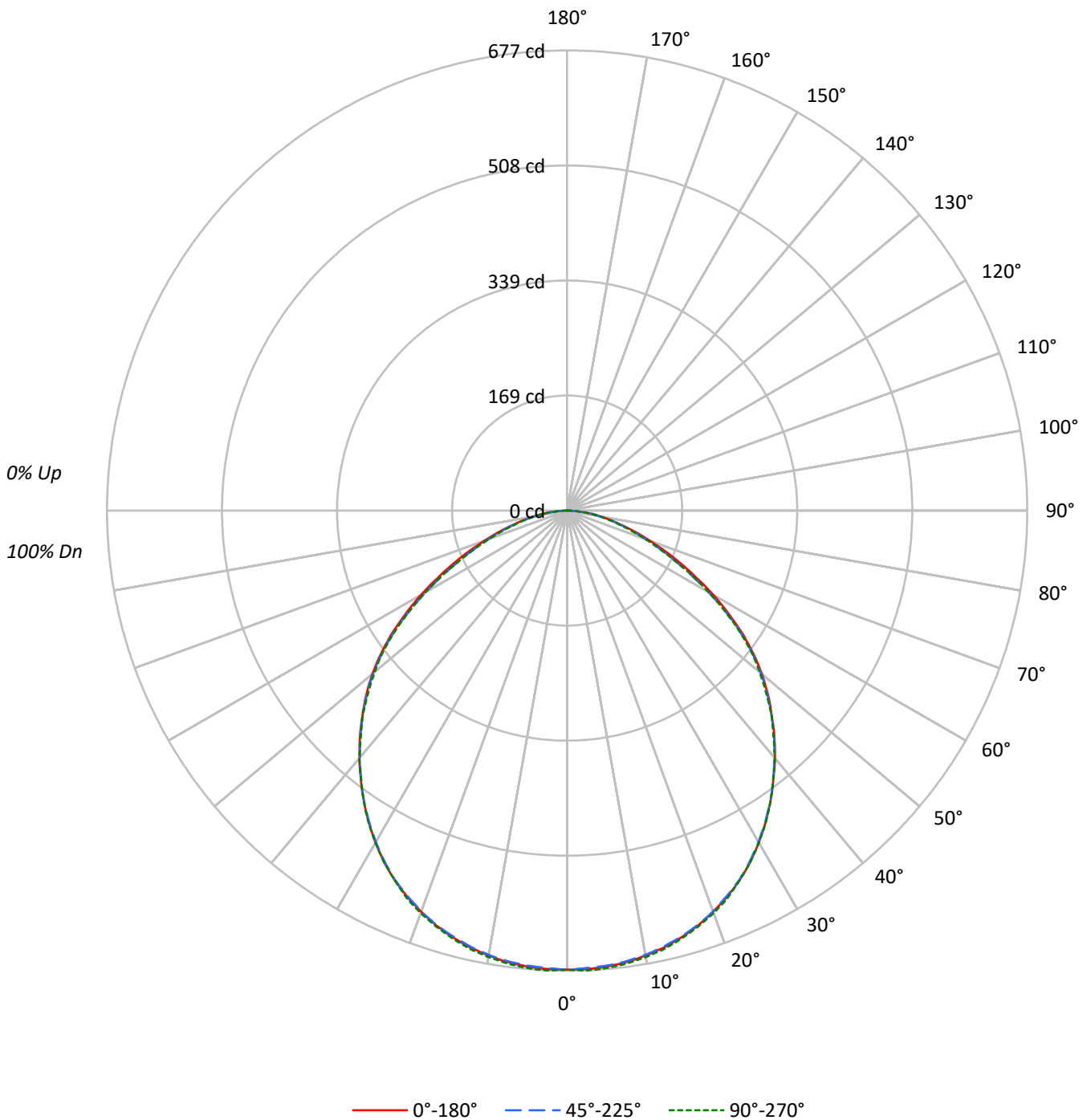
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1745.0 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2025	2025	2025
5°	2027	2022	2033
10°	2024	2021	2031
15°	2017	2013	2022
20°	2004	2002	2011
25°	1986	1983	1985
30°	1953	1948	1953
35°	1910	1908	1909
40°	1861	1855	1860
45°	1805	1800	1802
50°	1745	1737	1724
55°	1643	1624	1618
60°	1491	1440	1443
65°	1310	1244	1241
70°	1133	1081	1068
75°	980	943	923
80°	868	855	817
85°	715	743	698



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.0	3.7
10°-20°	183.5	10.5
20°-30°	276.3	15.8
30°-40°	326.0	18.7
40°-50°	327.9	18.8
50°-60°	276.8	15.9
60°-70°	177.8	10.2
70°-80°	88.4	5.1
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°	523.8	30.0
0°-40°	849.8	48.7
0°-60°	1454.6	83.4
0°-90°	1745.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1745.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	675	675	675	675	675	
5°	673	674	672	675	676	64
15°	650	650	649	652	652	183
25°	600	601	599	601	600	276
35°	522	522	521	522	522	326
45°	426	427	425	425	425	329
55°	314	314	311	309	310	280
65°	185	182	175	174	175	184
75°	85	84	81	81	80	92
85°	21	22	22	20	20	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	675.4	675.4	675.4	675.4	675.4
2.5°	675.1	675.4	673.6	676.8	677.3
5°	673.4	673.6	671.9	675.1	675.6
7.5°	670.0	670.2	668.7	671.7	672.2
10°	664.8	665.5	663.8	666.5	667.0
12.5°	658.4	658.7	657.0	660.2	660.6
15°	649.9	650.1	648.6	651.6	651.6
17.5°	640.1	640.3	639.3	641.8	641.5
20°	628.0	628.8	627.6	629.3	630.2
22.5°	615.0	615.3	613.8	616.0	617.0
25°	600.3	600.6	599.4	600.6	600.1
27.5°	583.2	583.7	582.0	583.2	583.4
30°	564.1	565.3	562.8	563.8	564.1
32.5°	543.5	544.2	542.5	542.7	544.0
35°	521.9	522.1	521.2	521.7	521.7
37.5°	498.6	499.6	498.1	498.9	497.9
40°	475.6	474.6	474.1	474.6	475.3
42.5°	451.3	451.5	450.8	450.3	449.1
45°	425.8	427.3	424.6	425.1	425.1
47.5°	400.8	401.0	399.6	398.1	397.1
50°	374.1	374.1	372.4	371.1	369.7
52.5°	344.9	344.4	342.5	341.2	342.0
55°	314.3	314.0	310.6	309.4	309.6
57.5°	280.7	281.2	276.0	274.8	274.8
60°	248.6	246.1	240.2	238.5	240.7
62.5°	215.0	212.0	205.7	205.7	207.4
65°	184.6	181.9	175.3	173.6	175.0
67.5°	156.2	153.7	147.6	146.6	147.1
70°	129.2	127.0	123.3	121.1	121.8
72.5°	105.9	103.9	101.5	99.8	98.8
75°	84.6	84.1	81.4	80.6	79.7
77.5°	66.9	66.7	64.5	63.5	62.5
80°	50.3	50.0	49.5	48.0	47.3
82.5°	35.8	35.8	35.5	34.3	33.6
85°	20.8	21.6	21.6	20.3	20.3
87.5°	8.3	8.8	8.3	8.3	8.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)