

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: P737710

Luminaire Tested: **14PT-20-PB1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737710
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-20-PB1-L950
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

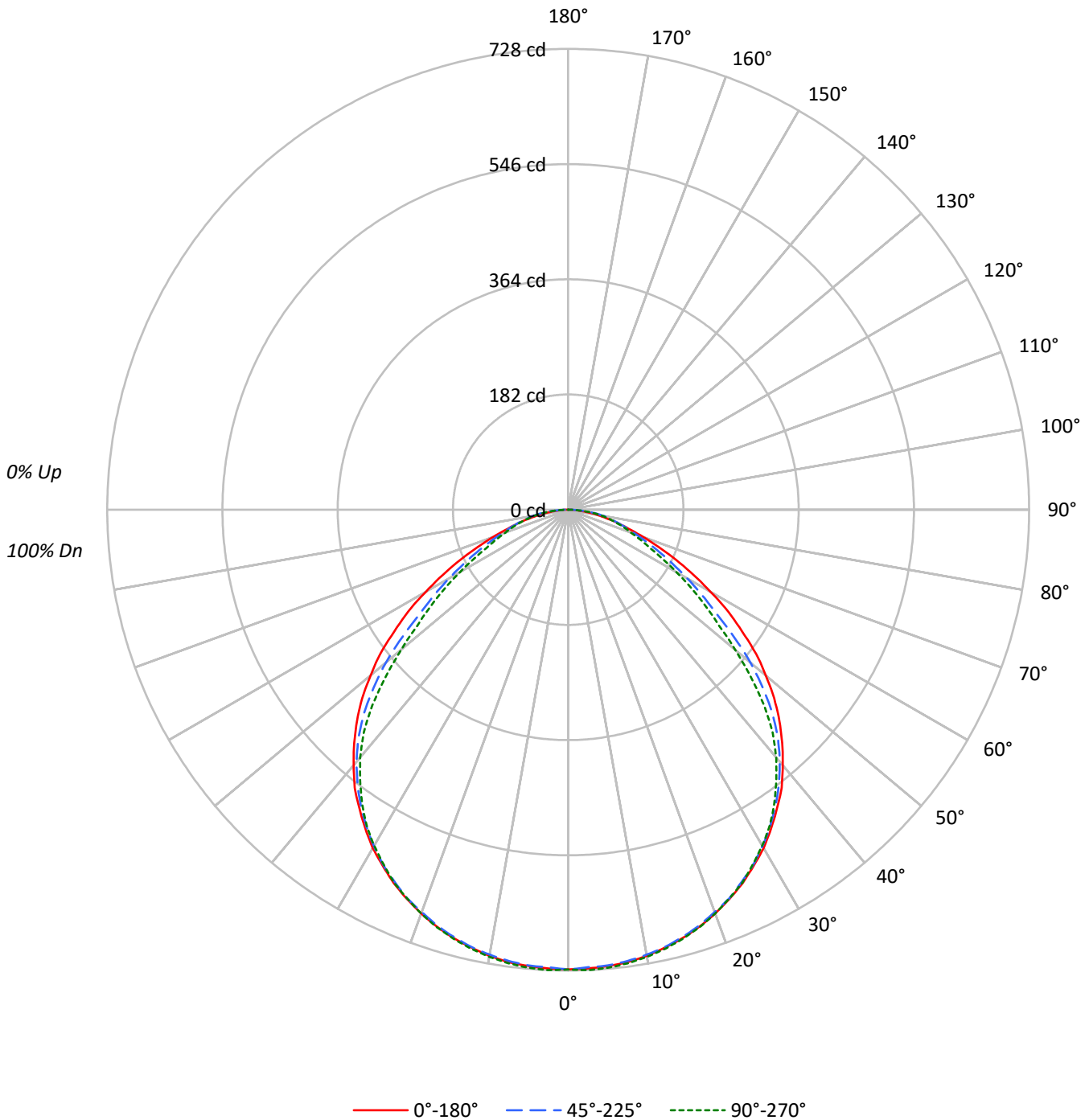
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1811.0 lumens
Efficiency: N/A
Efficacy: 111.8 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_{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	93	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2178	2178	2178
5°	2178	2175	2186
10°	2179	2173	2184
15°	2174	2168	2177
20°	2166	2158	2166
25°	2154	2146	2151
30°	2137	2125	2121
35°	2106	2089	2076
40°	2063	2035	2000
45°	2000	1936	1856
50°	1900	1754	1604
55°	1751	1490	1382
60°	1559	1302	1184
65°	1337	1128	1007
70°	1104	995	924
75°	931	952	900
80°	787	972	925
85°	616	984	860



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	3.8
10°-20°	197.6	10.9
20°-30°	299.3	16.5
30°-40°	356.7	19.7
40°-50°	348.8	19.3
50°-60°	263.8	14.6
60°-70°	162.1	8.9
70°-80°	86.4	4.8
80°-90°	27.5	1.5
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°	565.8	31.2
0°-40°	922.4	50.9
0°-60°	1535.0	84.8
0°-90°	1811.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1811.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	726	726	726	726	726	
5°	724	724	723	725	726	69
15°	700	701	699	701	701	198
25°	651	650	649	650	650	300
35°	575	574	571	568	567	360
45°	472	469	456	441	438	363
55°	335	318	285	269	264	300
65°	188	173	159	146	142	188
75°	80	81	82	80	78	86
85°	18	23	29	27	25	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	726.3	726.3	726.3	726.3	726.3
2.5°	725.4	726.3	723.6	727.2	728.1
5°	723.6	724.5	722.7	725.4	726.3
7.5°	720.9	720.9	719.1	721.8	722.7
10°	715.6	715.6	713.8	716.5	717.3
12.5°	708.4	708.4	707.5	709.3	710.2
15°	700.4	701.3	698.6	701.3	701.3
17.5°	690.5	689.7	688.8	690.5	691.4
20°	678.9	678.9	676.3	678.0	678.9
22.5°	665.5	665.5	664.6	665.5	664.6
25°	651.2	650.3	648.6	649.5	650.3
27.5°	634.3	634.3	632.5	632.5	631.6
30°	617.3	616.4	613.7	611.9	612.8
32.5°	596.7	595.9	593.2	591.4	592.3
35°	575.3	574.4	570.8	568.2	567.3
37.5°	553.9	551.2	546.7	543.1	539.6
40°	527.1	524.4	519.9	511.9	511.0
42.5°	500.3	497.6	490.4	480.6	477.9
45°	471.7	469.0	456.5	441.3	437.7
47.5°	441.3	436.8	417.2	398.4	391.3
50°	407.4	399.3	376.1	352.0	343.9
52.5°	374.3	360.0	329.6	308.2	300.2
55°	335.0	318.0	285.0	268.9	264.4
57.5°	300.2	276.9	250.1	234.1	230.5
60°	260.0	238.5	217.1	202.8	197.4
62.5°	223.3	204.6	186.7	174.2	167.9
65°	188.5	173.3	159.0	146.5	142.0
67.5°	154.5	146.5	134.9	125.1	122.4
70°	126.0	121.5	113.5	109.0	105.4
72.5°	100.1	101.8	96.5	94.7	92.0
75°	80.4	81.3	82.2	79.5	77.7
77.5°	60.7	65.2	68.8	67.0	65.2
80°	45.6	50.0	56.3	53.6	53.6
82.5°	31.3	36.6	42.0	40.2	39.3
85°	17.9	23.2	28.6	26.8	25.0
87.5°	7.1	11.6	12.5	12.5	11.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)