

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: P737703

Luminaire Tested: **14PT-20-PB1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737703
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-L830
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

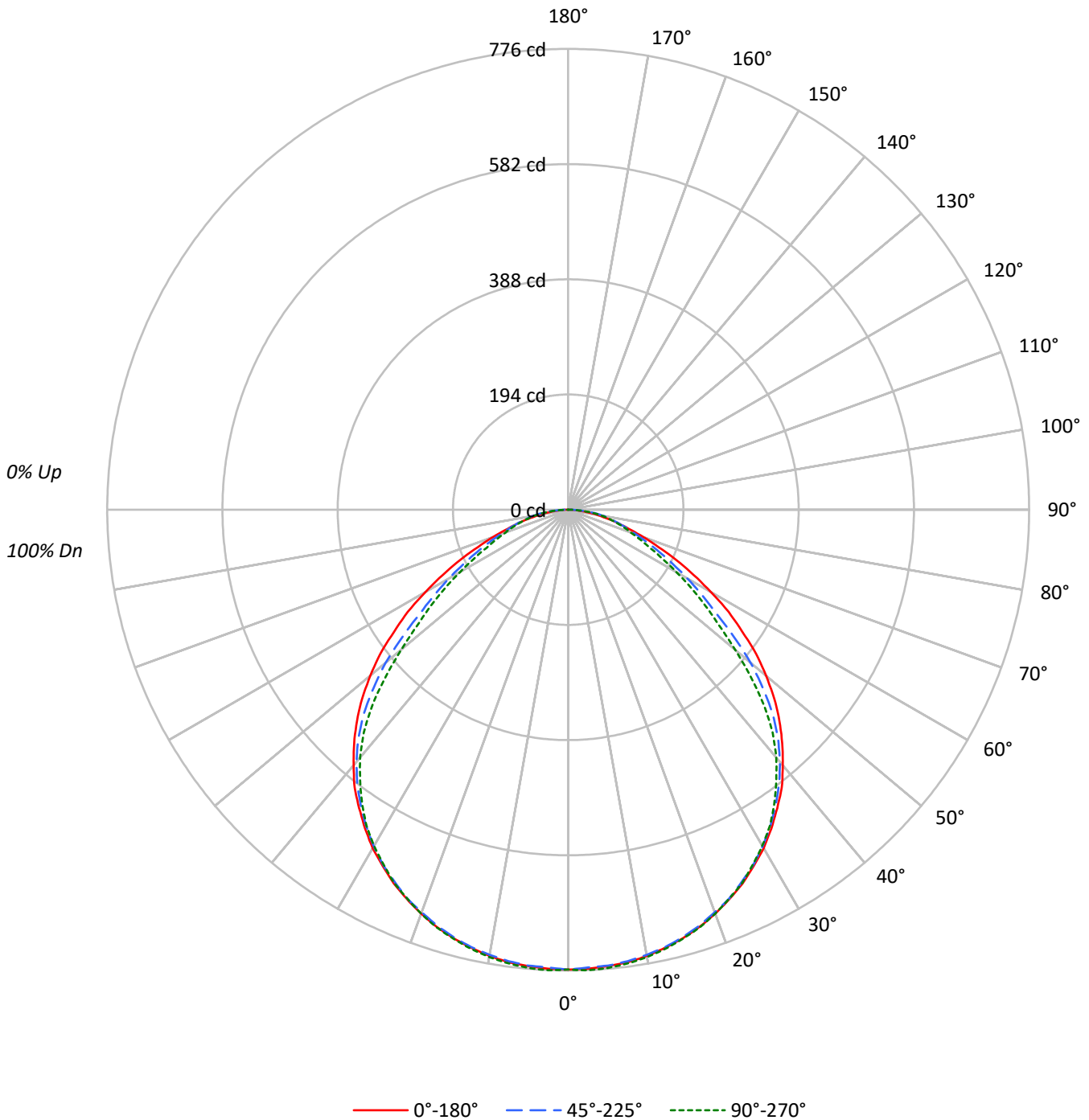
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1931.0 lumens
Efficiency: N/A
Efficacy: 119.2 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	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°	2322	2322	2322
5°	2322	2319	2331
10°	2323	2317	2329
15°	2318	2312	2321
20°	2310	2301	2310
25°	2297	2287	2294
30°	2279	2265	2262
35°	2245	2228	2214
40°	2200	2170	2132
45°	2132	2064	1979
50°	2026	1870	1710
55°	1867	1588	1473
60°	1662	1388	1262
65°	1426	1203	1075
70°	1177	1061	985
75°	993	1015	960
80°	839	1036	988
85°	657	1049	918



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.4	3.8
10°-20°	210.7	10.9
20°-30°	319.2	16.5
30°-40°	380.3	19.7
40°-50°	371.9	19.3
50°-60°	281.3	14.6
60°-70°	172.8	8.9
70°-80°	92.1	4.8
80°-90°	29.4	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°	603.3	31.2
0°-40°	983.6	50.9
0°-60°	1636.7	84.8
0°-90°	1931.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1931.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	774	774	774	774	774	
5°	772	772	771	774	774	73
15°	747	748	745	748	748	211
25°	694	693	692	692	693	320
35°	613	612	609	606	605	384
45°	503	500	487	470	467	387
55°	357	339	304	287	282	320
65°	201	185	170	156	152	200
75°	86	87	88	85	83	92
85°	19	25	30	29	27	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	774.4	774.4	774.4	774.4	774.4
2.5°	773.5	774.4	771.5	775.4	776.3
5°	771.5	772.5	770.6	773.5	774.4
7.5°	768.7	768.7	766.8	769.6	770.6
10°	763.0	763.0	761.1	763.9	764.9
12.5°	755.4	755.4	754.4	756.3	757.3
15°	746.8	747.7	744.9	747.7	747.7
17.5°	736.3	735.4	734.4	736.3	737.3
20°	723.9	723.9	721.1	723.0	723.9
22.5°	709.6	709.6	708.7	709.6	708.7
25°	694.4	693.4	691.5	692.5	693.4
27.5°	676.3	676.3	674.4	674.4	673.4
30°	658.2	657.2	654.4	652.5	653.4
32.5°	636.3	635.3	632.5	630.6	631.5
35°	613.4	612.5	608.7	605.8	604.9
37.5°	590.6	587.7	582.9	579.1	575.3
40°	562.0	559.1	554.4	545.8	544.8
42.5°	533.4	530.6	522.9	512.5	509.6
45°	502.9	500.1	486.7	470.5	466.7
47.5°	470.5	465.8	444.8	424.8	417.2
50°	434.4	425.8	401.0	375.3	366.7
52.5°	399.1	383.9	351.5	328.6	320.1
55°	357.2	339.1	303.9	286.7	281.9
57.5°	320.1	295.3	266.7	249.6	245.8
60°	277.2	254.3	231.5	216.2	210.5
62.5°	238.1	218.1	199.1	185.7	179.1
65°	201.0	184.8	169.6	156.2	151.5
67.5°	164.8	156.2	143.8	133.4	130.5
70°	134.3	129.5	121.0	116.2	112.4
72.5°	106.7	108.6	102.9	101.0	98.1
75°	85.7	86.7	87.6	84.8	82.9
77.5°	64.8	69.5	73.3	71.4	69.5
80°	48.6	53.3	60.0	57.2	57.2
82.5°	33.3	39.1	44.8	42.9	41.9
85°	19.1	24.8	30.5	28.6	26.7
87.5°	7.6	12.4	13.3	13.3	12.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)