

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: P738407

Luminaire Tested: **24PT-20-PL1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-20-PL1-L830
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

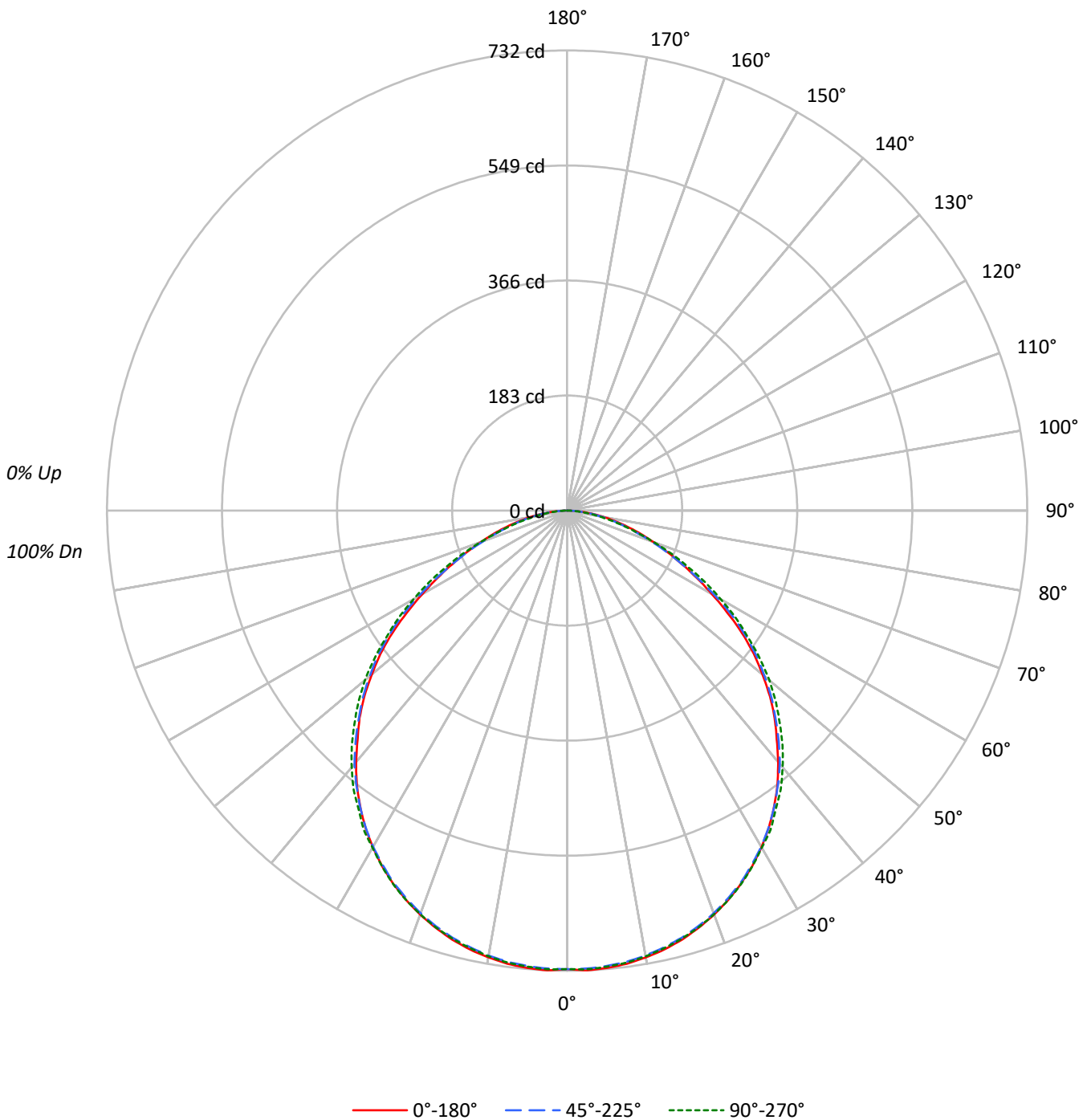
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1931.0 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 15.1
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	98	95	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49		60	53	48		58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	29
10	54	41	33	28	53	40	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1046	1046	1046
5°	1051	1047	1048
10°	1051	1046	1048
15°	1049	1044	1047
20°	1043	1040	1043
25°	1036	1033	1037
30°	1024	1022	1026
35°	1005	1005	1013
40°	977	985	998
45°	947	951	970
50°	905	915	937
55°	849	865	878
60°	763	781	810
65°	682	684	721
70°	608	592	613
75°	550	517	507
80°	488	455	401
85°	400	380	314



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.2	3.6
10°-20°	198.7	10.3
20°-30°	301.0	15.6
30°-40°	359.7	18.6
40°-50°	362.9	18.8
50°-60°	307.9	15.9
60°-70°	203.7	10.5
70°-80°	101.1	5.2
80°-90°	26.7	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°	568.9	29.5
0°-40°	928.7	48.1
0°-60°	1599.4	82.8
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°	730	730	730	730	730	
5°	730	728	727	727	728	69
15°	706	704	704	704	705	199
25°	655	653	653	653	655	302
35°	574	573	574	578	579	359
45°	467	466	469	475	478	359
55°	340	340	346	349	351	302
65°	201	201	202	208	212	201
75°	99	96	93	90	92	106
85°	24	24	23	21	19	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	729.5	729.5	729.5	729.5	729.5
2.5°	732.0	729.7	729.1	728.7	730.4
5°	730.4	727.8	727.2	726.8	728.3
7.5°	727.0	724.3	723.9	723.4	725.3
10°	721.6	719.0	718.6	718.2	719.9
12.5°	715.1	712.5	711.7	711.9	713.0
15°	706.5	704.2	703.5	703.5	705.0
17.5°	695.8	693.7	693.2	693.0	694.9
20°	683.8	681.7	681.7	682.3	683.4
22.5°	670.2	668.7	667.9	668.3	670.4
25°	654.7	653.2	653.2	653.0	655.3
27.5°	637.5	635.6	635.6	637.3	638.1
30°	618.2	616.5	617.3	618.6	619.4
32.5°	597.4	596.4	597.0	598.9	602.2
35°	574.1	573.3	574.4	577.5	578.8
37.5°	549.8	549.2	550.7	554.8	558.4
40°	522.1	522.1	526.1	529.9	533.3
42.5°	493.4	495.3	498.2	504.1	507.0
45°	467.0	466.4	469.1	475.4	478.3
47.5°	437.6	437.0	441.0	445.4	450.2
50°	405.5	405.3	410.2	413.9	420.0
52.5°	374.3	376.2	379.3	382.7	386.3
55°	339.7	340.5	346.0	349.1	351.2
57.5°	302.4	305.1	311.8	316.4	318.3
60°	265.9	267.6	272.4	280.6	282.5
62.5°	232.8	233.4	236.3	245.6	248.1
65°	201.1	200.7	201.5	207.8	212.4
67.5°	172.4	170.7	170.7	174.0	179.7
70°	145.1	142.6	141.1	142.2	146.2
72.5°	122.3	118.9	115.1	114.5	117.0
75°	99.2	96.5	93.3	90.4	91.6
77.5°	79.1	76.7	73.8	70.5	68.8
80°	59.1	58.3	55.1	52.0	48.6
82.5°	41.3	40.7	38.6	36.1	34.0
85°	24.3	24.3	23.1	21.2	19.1
87.5°	10.9	10.5	10.9	9.2	8.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)