

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: P737755

Luminaire Tested: **14PT-30-PB1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737755
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-30-PB1-L930
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

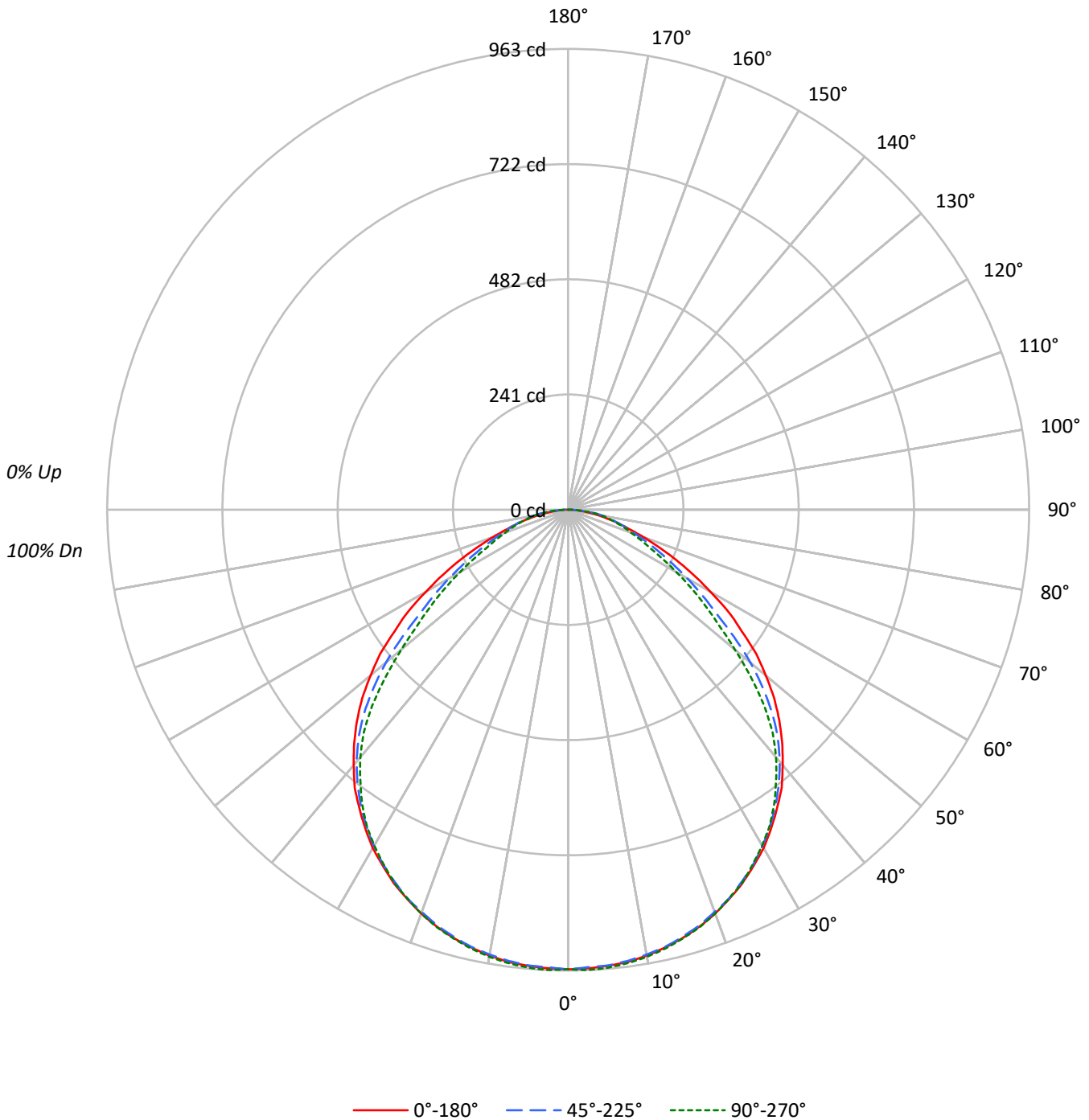
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2395.0 lumens
Efficiency: N/A
Efficacy: 102.4 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): 23.4
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°	2880	2880	2880
5°	2880	2877	2891
10°	2881	2874	2888
15°	2875	2868	2878
20°	2865	2853	2865
25°	2849	2837	2845
30°	2826	2810	2806
35°	2785	2763	2746
40°	2728	2691	2645
45°	2645	2560	2454
50°	2513	2320	2121
55°	2316	1970	1828
60°	2061	1721	1566
65°	1769	1492	1332
70°	1460	1315	1222
75°	1231	1259	1191
80°	1041	1285	1224
85°	812	1300	1139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	3.8
10°-20°	261.3	10.9
20°-30°	395.9	16.5
30°-40°	471.7	19.7
40°-50°	461.3	19.3
50°-60°	348.9	14.6
60°-70°	214.4	8.9
70°-80°	114.2	4.8
80°-90°	36.4	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°	748.2	31.2
0°-40°	1219.9	50.9
0°-60°	2030.0	84.8
0°-90°	2395.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2395.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	960	960	960	960	960	
5°	957	958	956	959	960	91
15°	926	927	924	927	927	261
25°	861	860	858	859	860	397
35°	761	760	755	751	750	476
45°	624	620	604	584	579	480
55°	443	421	377	356	350	397
65°	249	229	210	194	188	248
75°	106	108	109	105	103	114
85°	24	31	38	35	33	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	960.5	960.5	960.5	960.5	960.5
2.5°	959.3	960.5	956.9	961.7	962.9
5°	956.9	958.1	955.8	959.3	960.5
7.5°	953.4	953.4	951.0	954.6	955.8
10°	946.3	946.3	943.9	947.5	948.7
12.5°	936.9	936.9	935.7	938.0	939.2
15°	926.2	927.4	923.9	927.4	927.4
17.5°	913.2	912.1	910.9	913.2	914.4
20°	897.9	897.9	894.3	896.7	897.9
22.5°	880.2	880.2	879.0	880.2	879.0
25°	861.3	860.1	857.7	858.9	860.1
27.5°	838.8	838.8	836.4	836.4	835.3
30°	816.4	815.2	811.6	809.3	810.4
32.5°	789.2	788.0	784.5	782.1	783.3
35°	760.8	759.6	754.9	751.4	750.2
37.5°	732.5	728.9	723.0	718.3	713.6
40°	697.0	693.5	687.6	676.9	675.8
42.5°	661.6	658.0	648.6	635.6	632.1
45°	623.8	620.2	603.7	583.6	578.9
47.5°	583.6	577.7	551.7	526.9	517.5
50°	538.7	528.1	497.4	465.5	454.8
52.5°	495.0	476.1	435.9	407.6	397.0
55°	443.0	420.6	376.9	355.6	349.7
57.5°	397.0	366.2	330.8	309.5	304.8
60°	343.8	315.4	287.1	268.2	261.1
62.5°	295.4	270.5	246.9	230.4	222.1
65°	249.3	229.2	210.3	193.8	187.8
67.5°	204.4	193.8	178.4	165.4	161.9
70°	166.6	160.7	150.0	144.1	139.4
72.5°	132.3	134.7	127.6	125.2	121.7
75°	106.3	107.5	108.7	105.1	102.8
77.5°	80.3	86.2	91.0	88.6	86.2
80°	60.3	66.2	74.4	70.9	70.9
82.5°	41.3	48.4	55.5	53.2	52.0
85°	23.6	30.7	37.8	35.4	33.1
87.5°	9.5	15.4	16.5	16.5	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)