

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: P737757

Luminaire Tested: **14PT-30-PB1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737757
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-L940
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

Summary

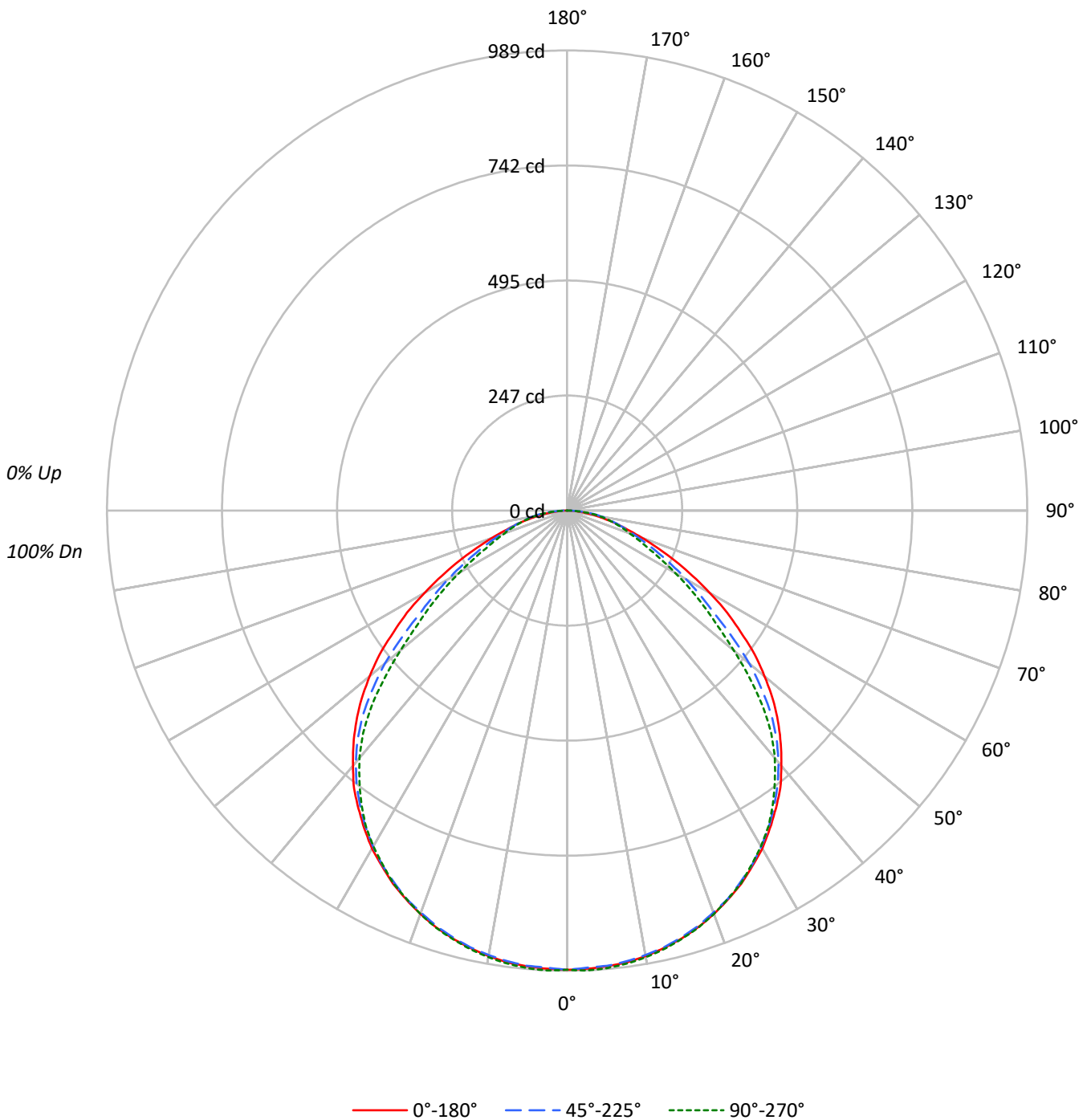
Lumens per Lamp: N/A
Luminaire Lumens: 2461.0 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	2959	2959	2959
5°	2959	2956	2970
10°	2960	2953	2968
15°	2954	2946	2958
20°	2944	2932	2944
25°	2928	2915	2924
30°	2904	2887	2883
35°	2861	2839	2821
40°	2803	2765	2718
45°	2718	2630	2522
50°	2582	2384	2180
55°	2379	2024	1878
60°	2118	1769	1609
65°	1817	1533	1369
70°	1501	1352	1255
75°	1266	1294	1223
80°	1069	1321	1257
85°	836	1335	1170



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.6	3.8
10°-20°	268.5	10.9
20°-30°	406.8	16.5
30°-40°	484.7	19.7
40°-50°	474.0	19.3
50°-60°	358.5	14.6
60°-70°	220.3	8.9
70°-80°	117.3	4.8
80°-90°	37.4	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°	768.9	31.2
0°-40°	1253.5	50.9
0°-60°	2086.0	84.8
0°-90°	2461.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2461.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	987	987	987	987	987	
5°	983	984	982	986	987	94
15°	952	953	949	953	953	269
25°	885	884	881	883	884	408
35°	782	781	776	772	771	489
45°	641	637	620	600	595	493
55°	455	432	387	365	359	408
65°	256	236	216	199	193	255
75°	109	110	112	108	106	117
85°	24	32	39	36	34	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	987.0	987.0	987.0	987.0	987.0
2.5°	985.7	987.0	983.3	988.2	989.4
5°	983.3	984.5	982.1	985.7	987.0
7.5°	979.7	979.7	977.2	980.9	982.1
10°	972.4	972.4	970.0	973.6	974.8
12.5°	962.7	962.7	961.5	963.9	965.1
15°	951.8	953.0	949.3	953.0	953.0
17.5°	938.4	937.2	936.0	938.4	939.6
20°	922.6	922.6	919.0	921.4	922.6
22.5°	904.4	904.4	903.2	904.4	903.2
25°	885.0	883.8	881.3	882.6	883.8
27.5°	861.9	861.9	859.5	859.5	858.3
30°	838.9	837.6	834.0	831.6	832.8
32.5°	810.9	809.7	806.1	803.6	804.9
35°	781.8	780.6	775.7	772.1	770.9
37.5°	752.7	749.0	742.9	738.1	733.2
40°	716.2	712.6	706.5	695.6	694.4
42.5°	679.8	676.2	666.5	653.1	649.5
45°	641.0	637.3	620.3	599.7	594.8
47.5°	599.7	593.6	566.9	541.4	531.7
50°	553.6	542.6	511.1	478.3	467.4
52.5°	508.7	489.2	448.0	418.8	407.9
55°	455.2	432.2	387.3	365.4	359.3
57.5°	407.9	376.3	339.9	318.1	313.2
60°	353.3	324.1	295.0	275.6	268.3
62.5°	303.5	278.0	253.7	236.7	228.2
65°	256.1	235.5	216.1	199.1	193.0
67.5°	210.0	199.1	183.3	170.0	166.3
70°	171.2	165.1	154.2	148.1	143.2
72.5°	136.0	138.4	131.1	128.7	125.0
75°	109.3	110.5	111.7	108.0	105.6
77.5°	82.5	88.6	93.5	91.0	88.6
80°	61.9	68.0	76.5	72.8	72.8
82.5°	42.5	49.8	57.1	54.6	53.4
85°	24.3	31.6	38.8	36.4	34.0
87.5°	9.7	15.8	17.0	17.0	15.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)