

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: P737997

Luminaire Tested: **14PT-80-PC3-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737997
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-80-PC3-L940
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

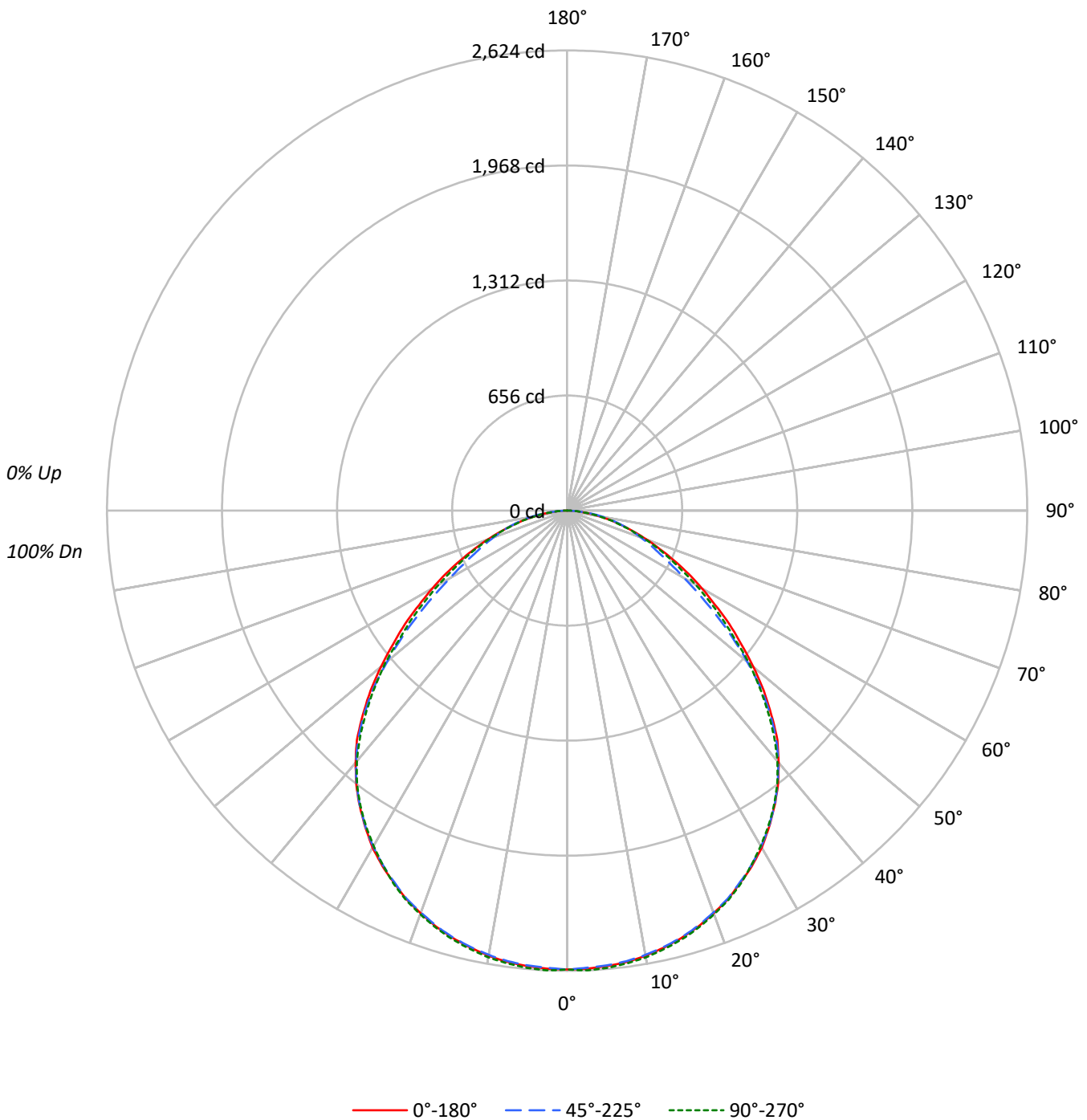
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6597.0 lumens
Efficiency: N/A
Efficacy: 92.9 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): 71
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	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					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85					85			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72					72			
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62					62			
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54					54			
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47					47			
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41					41			
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37					37			
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7845	7845	7845
5°	7847	7833	7878
10°	7847	7833	7875
15°	7829	7820	7855
20°	7794	7782	7814
25°	7740	7728	7759
30°	7682	7656	7643
35°	7543	7536	7522
40°	7344	7333	7300
45°	6984	6933	6861
50°	6465	6247	6317
55°	5900	5420	5665
60°	5320	4624	5073
65°	4754	4137	4561
70°	4217	3913	4102
75°	3730	3795	3653
80°	3215	3619	3199
85°	2415	2865	2415



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.2	3.8
10°-20°	712.4	10.8
20°-30°	1078.6	16.3
30°-40°	1285.9	19.5
40°-50°	1256.5	19.0
50°-60°	960.7	14.6
60°-70°	616.8	9.3
70°-80°	343.2	5.2
80°-90°	94.8	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°	2039.1	30.9
0°-40°	3325.0	50.4
0°-60°	5542.3	84.0
0°-90°	6597.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6597.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2617	2617	2617	2617	2617	
5°	2608	2609	2603	2615	2618	248
15°	2522	2524	2520	2528	2531	712
25°	2340	2343	2336	2344	2345	1079
35°	2061	2063	2059	2058	2055	1288
45°	1647	1651	1635	1631	1618	1268
55°	1129	1089	1037	1050	1084	1009
65°	670	619	583	603	643	668
75°	322	325	328	323	315	344
85°	70	82	83	80	70	86
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2616.8	2616.8	2616.8	2616.8	2616.8
2.5°	2615.0	2615.9	2609.4	2620.6	2624.3
5°	2607.5	2609.4	2602.8	2615.0	2617.8
7.5°	2596.3	2598.1	2591.6	2603.7	2604.7
10°	2577.5	2578.5	2572.9	2585.0	2586.9
12.5°	2552.3	2555.1	2548.5	2559.8	2560.7
15°	2522.3	2524.2	2519.5	2527.9	2530.7
17.5°	2486.7	2487.7	2483.0	2492.4	2493.3
20°	2442.8	2442.8	2439.0	2449.3	2449.3
22.5°	2397.8	2395.0	2394.1	2397.8	2403.5
25°	2339.8	2342.6	2336.1	2343.6	2345.4
27.5°	2283.7	2283.7	2278.0	2281.8	2277.1
30°	2219.1	2215.3	2211.6	2212.5	2207.8
32.5°	2141.4	2141.4	2139.5	2139.5	2133.9
35°	2060.9	2062.8	2059.0	2058.1	2055.3
37.5°	1974.8	1977.6	1971.1	1969.2	1967.3
40°	1876.5	1876.5	1873.7	1870.0	1865.3
42.5°	1774.5	1774.5	1762.3	1753.0	1746.4
45°	1647.2	1651.0	1635.1	1631.3	1618.2
47.5°	1520.9	1518.1	1496.5	1493.7	1486.2
50°	1386.1	1370.2	1339.3	1347.7	1354.3
52.5°	1251.3	1231.7	1186.8	1196.1	1207.3
55°	1128.7	1089.4	1037.0	1050.1	1083.8
57.5°	1000.5	948.1	895.7	920.0	962.1
60°	887.3	828.3	771.2	797.4	846.1
62.5°	778.7	716.0	670.1	695.4	736.6
65°	670.1	618.6	583.1	602.7	643.0
67.5°	570.9	536.3	512.0	521.3	554.1
70°	481.1	459.5	446.4	449.2	468.0
72.5°	395.9	390.3	385.6	385.6	387.5
75°	322.0	324.8	327.6	322.9	315.4
77.5°	253.6	263.0	269.5	260.2	250.8
80°	186.2	201.2	209.6	199.4	185.3
82.5°	127.3	144.1	146.9	140.4	124.5
85°	70.2	82.4	83.3	80.5	70.2
87.5°	26.2	30.9	33.7	30.9	27.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)