

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: P737989

Luminaire Tested: **14PT-80-PB1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737989
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-80-PB1-L940
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

Summary

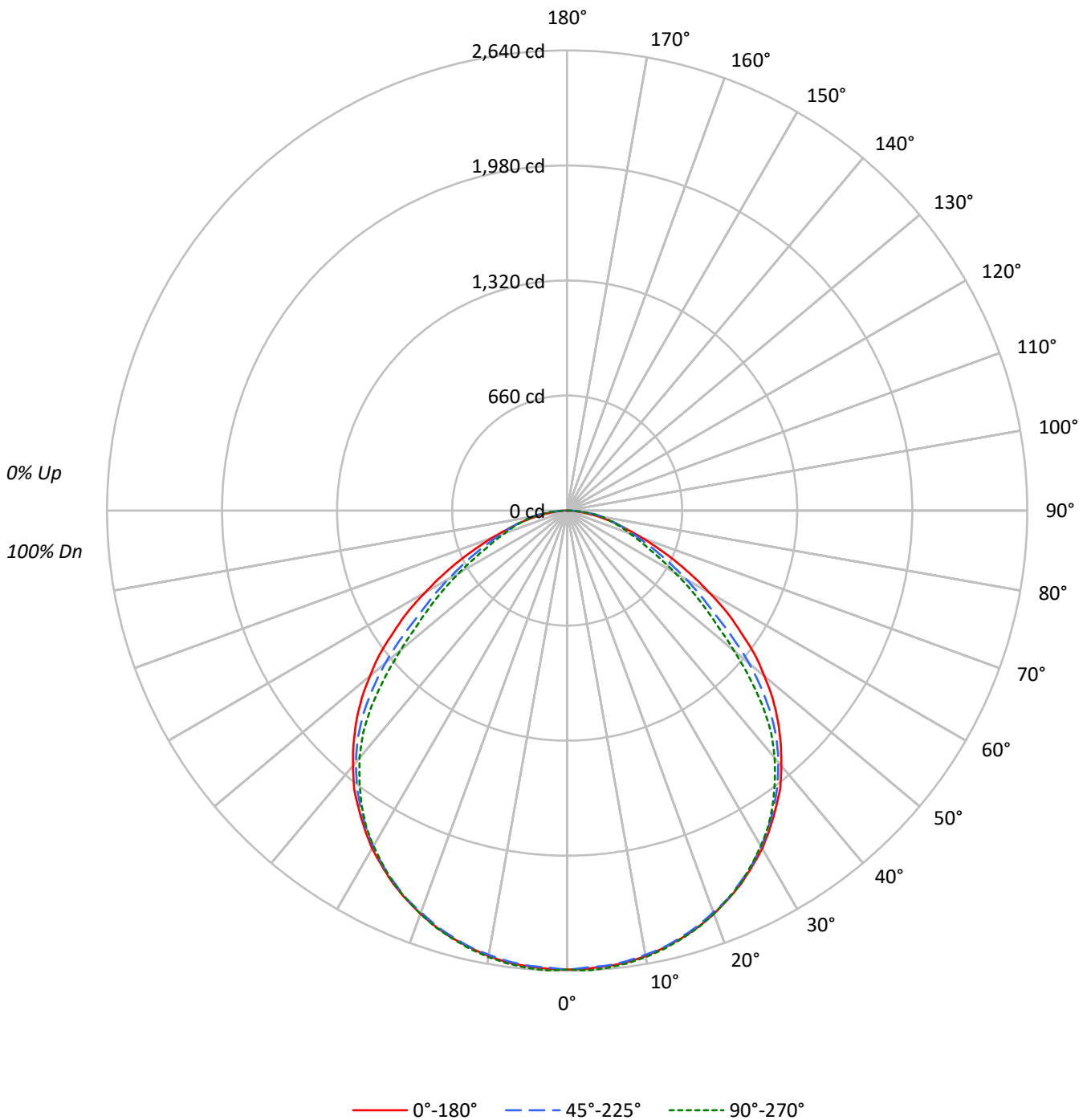
Lumens per Lamp: N/A
Luminaire Lumens: 6567.0 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

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	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°	7896	7896	7896
5°	7897	7887	7926
10°	7899	7880	7919
15°	7883	7863	7893
20°	7855	7824	7855
25°	7812	7780	7801
30°	7749	7704	7693
35°	7635	7576	7529
40°	7480	7379	7252
45°	7252	7018	6730
50°	6890	6361	5817
55°	6350	5402	5012
60°	5653	4720	4293
65°	4849	4090	3654
70°	4004	3606	3350
75°	3377	3452	3264
80°	2852	3524	3356
85°	2229	3567	3120



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.7	3.8
10°-20°	716.5	10.9
20°-30°	1085.4	16.5
30°-40°	1293.3	19.7
40°-50°	1264.7	19.3
50°-60°	956.6	14.6
60°-70°	587.7	8.9
70°-80°	313.1	4.8
80°-90°	99.9	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°	2051.6	31.2
0°-40°	3345.0	50.9
0°-60°	5566.3	84.8
0°-90°	6567.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6567.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2634	2634	2634	2634	2634	
5°	2624	2627	2621	2630	2634	250
15°	2540	2543	2533	2543	2543	717
25°	2362	2358	2352	2355	2358	1088
35°	2086	2083	2070	2060	2057	1305
45°	1710	1701	1655	1600	1587	1316
55°	1215	1153	1033	975	959	1088
65°	684	628	577	531	515	680
75°	292	295	298	288	282	312
85°	65	84	104	97	91	78
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2633.6	2633.6	2633.6	2633.6	2633.6
2.5°	2630.4	2633.6	2623.9	2636.9	2640.1
5°	2623.9	2627.1	2620.7	2630.4	2633.6
7.5°	2614.2	2614.2	2607.7	2617.4	2620.7
10°	2594.8	2594.8	2588.3	2598.0	2601.2
12.5°	2568.8	2568.8	2565.6	2572.1	2575.3
15°	2539.7	2542.9	2533.2	2542.9	2542.9
17.5°	2504.0	2500.8	2497.6	2504.0	2507.3
20°	2461.9	2461.9	2452.2	2458.7	2461.9
22.5°	2413.3	2413.3	2410.1	2413.3	2410.1
25°	2361.5	2358.3	2351.8	2355.0	2358.3
27.5°	2300.0	2300.0	2293.5	2293.5	2290.2
30°	2238.4	2235.2	2225.5	2219.0	2222.2
32.5°	2163.9	2160.7	2151.0	2144.5	2147.7
35°	2086.2	2082.9	2070.0	2060.3	2057.0
37.5°	2008.4	1998.7	1982.5	1969.5	1956.6
40°	1911.2	1901.5	1885.3	1856.2	1852.9
42.5°	1814.1	1804.3	1778.4	1742.8	1733.1
45°	1710.4	1700.7	1655.3	1600.3	1587.3
47.5°	1600.3	1584.1	1512.8	1444.8	1418.9
50°	1477.2	1448.0	1363.8	1276.3	1247.2
52.5°	1357.3	1305.5	1195.3	1117.6	1088.4
55°	1214.8	1153.2	1033.4	975.1	958.9
57.5°	1088.4	1004.2	907.0	848.7	835.8
60°	942.7	864.9	787.2	735.3	715.9
62.5°	809.8	741.8	677.0	631.7	609.0
65°	683.5	628.4	576.6	531.3	515.1
67.5°	560.4	531.3	489.1	453.5	443.8
70°	456.8	440.6	411.4	395.2	382.2
72.5°	362.8	369.3	349.9	343.4	333.7
75°	291.5	294.8	298.0	288.3	281.8
77.5°	220.3	236.5	249.4	243.0	236.5
80°	165.2	181.4	204.1	194.4	194.4
82.5°	113.4	132.8	152.3	145.8	142.5
85°	64.8	84.2	103.7	97.2	90.7
87.5°	25.9	42.1	45.4	45.4	42.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)