

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: P737990

Luminaire Tested: **14PT-80-PB1-L950**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737990  
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-L950  
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -  
Ballast/Driver: -

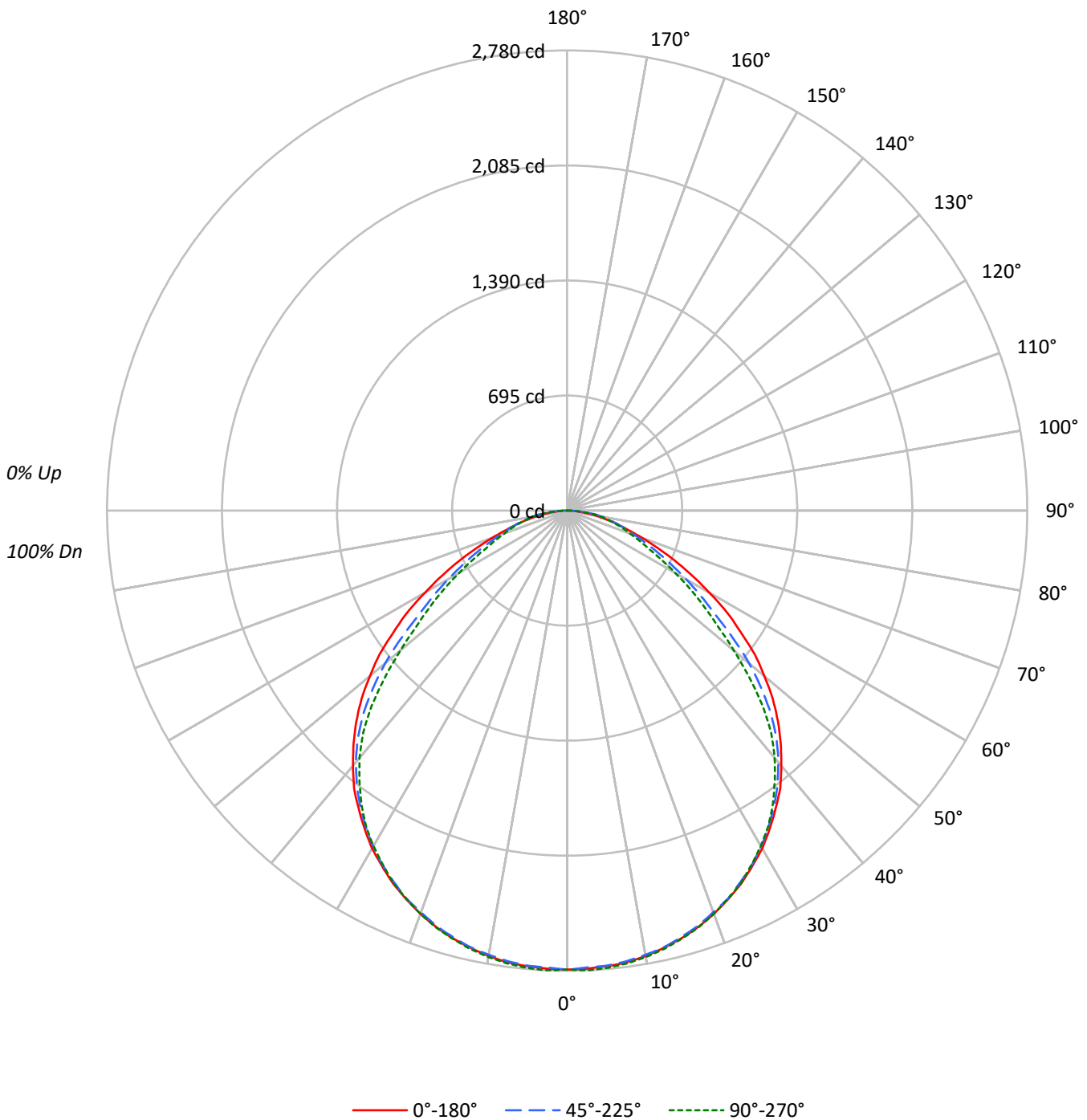
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6915.0 lumens  
Efficiency: N/A  
Efficacy: 97.4 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): 71  
Input Voltage (V): NR  
Input Current (Ain): 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°	8314	8314	8314
5°	8315	8305	8346
10°	8318	8297	8339
15°	8301	8279	8311
20°	8271	8238	8271
25°	8226	8192	8214
30°	8160	8113	8101
35°	8040	7978	7927
40°	7876	7769	7636
45°	7636	7390	7087
50°	7255	6698	6125
55°	6686	5687	5278
60°	5952	4970	4520
65°	5106	4308	3848
70°	4216	3797	3528
75°	3556	3635	3438
80°	3004	3710	3534
85°	2346	3756	3285



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	262.9	3.8
10°-20°	754.5	10.9
20°-30°	1142.9	16.5
30°-40°	1361.9	19.7
40°-50°	1331.8	19.3
50°-60°	1007.3	14.6
60°-70°	618.9	8.9
70°-80°	329.7	4.8
80°-90°	105.2	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°	2160.3	31.2
0°-40°	3522.2	50.9
0°-60°	5861.2	84.8
0°-90°	6915.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6915.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2773	2773	2773	2773	2773	
5°	2763	2766	2760	2770	2773	263
15°	2674	2678	2667	2678	2678	755
25°	2487	2483	2476	2480	2483	1145
35°	2197	2193	2180	2169	2166	1374
45°	1801	1791	1743	1685	1671	1385
55°	1279	1214	1088	1027	1010	1145
65°	720	662	607	559	542	716
75°	307	310	314	304	297	329
85°	68	89	109	102	96	82
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2773.2	2773.2	2773.2	2773.2	2773.2
2.5°	2769.8	2773.2	2763.0	2776.6	2780.0
5°	2763.0	2766.4	2759.5	2769.8	2773.2
7.5°	2752.7	2752.7	2745.9	2756.1	2759.5
10°	2732.3	2732.3	2725.4	2735.7	2739.1
12.5°	2705.0	2705.0	2701.6	2708.4	2711.8
15°	2674.3	2677.7	2667.4	2677.7	2677.7
17.5°	2636.7	2633.3	2629.9	2636.7	2640.2
20°	2592.4	2592.4	2582.2	2589.0	2592.4
22.5°	2541.2	2541.2	2537.8	2541.2	2537.8
25°	2486.7	2483.2	2476.4	2479.8	2483.2
27.5°	2421.8	2421.8	2415.0	2415.0	2411.6
30°	2357.0	2353.6	2343.4	2336.6	2340.0
32.5°	2278.6	2275.2	2264.9	2258.1	2261.5
35°	2196.7	2193.3	2179.7	2169.4	2166.0
37.5°	2114.9	2104.6	2087.6	2073.9	2060.3
40°	2012.5	2002.3	1985.2	1954.5	1951.1
42.5°	1910.2	1900.0	1872.7	1835.1	1824.9
45°	1801.0	1790.8	1743.0	1685.1	1671.4
47.5°	1685.1	1668.0	1593.0	1521.3	1494.0
50°	1555.4	1524.7	1436.1	1344.0	1313.3
52.5°	1429.2	1374.7	1258.7	1176.8	1146.1
55°	1279.1	1214.3	1088.1	1026.7	1009.7
57.5°	1146.1	1057.4	955.1	893.7	880.1
60°	992.6	910.8	828.9	774.3	753.8
62.5°	852.8	781.1	712.9	665.2	641.3
65°	719.7	661.7	607.2	559.4	542.4
67.5°	590.1	559.4	515.1	477.5	467.3
70°	481.0	463.9	433.2	416.1	402.5
72.5°	382.0	388.9	368.4	361.6	351.3
75°	307.0	310.4	313.8	303.6	296.8
77.5°	232.0	249.0	262.7	255.8	249.0
80°	174.0	191.0	214.9	204.7	204.7
82.5°	119.4	139.9	160.3	153.5	150.1
85°	68.2	88.7	109.2	102.3	95.5
87.5°	27.3	44.3	47.8	47.8	44.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)