

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: P738017

Luminaire Tested: **14PT-80-PR1-L840**

Issue Date: 2/8/2024



**Test Information**

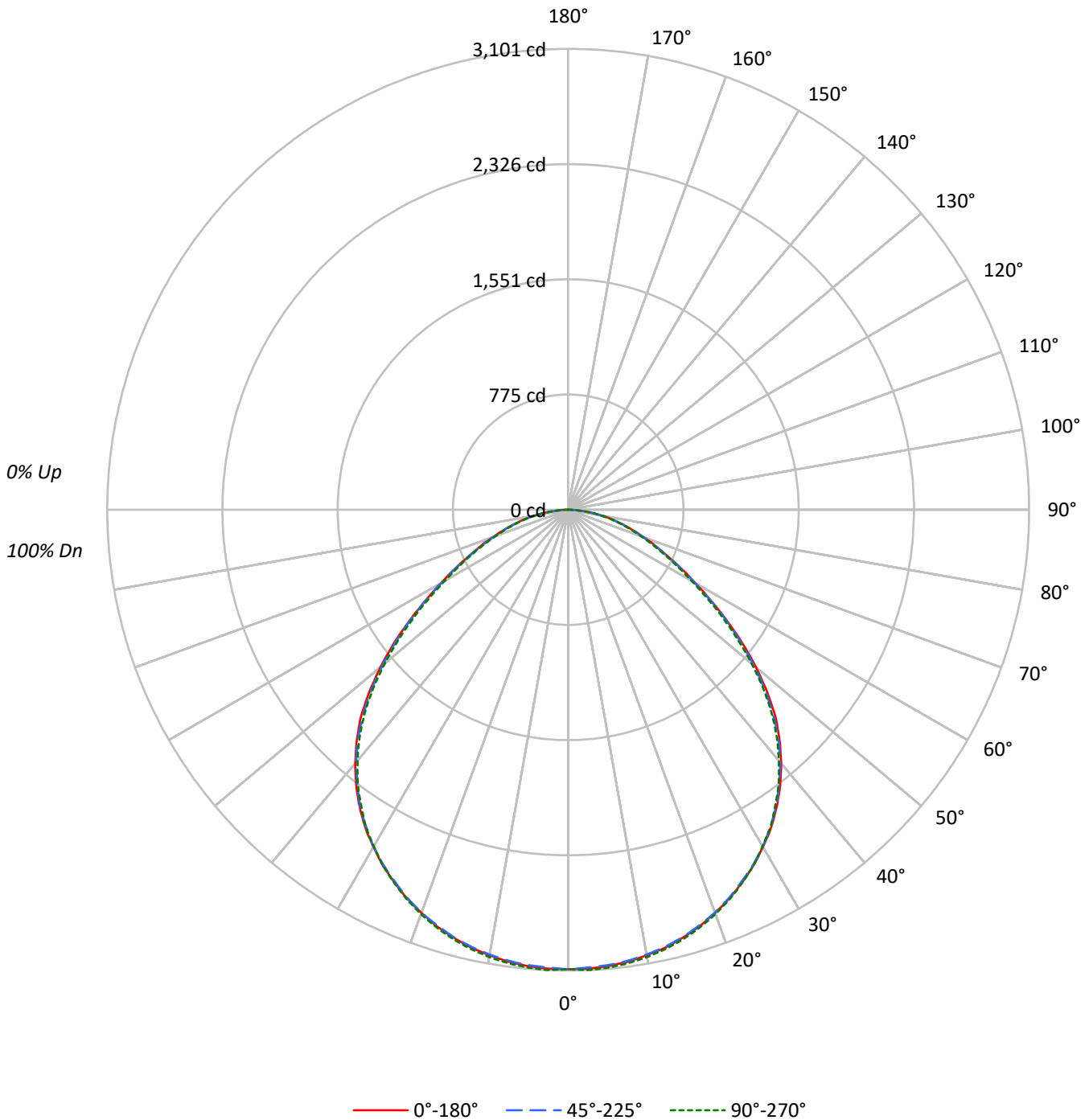
Test Method: LM-79-08  
Report Number: P738017  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-80-PR1-L840  
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPLE LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7820.0 lumens  
Efficiency: N/A  
Efficacy: 110.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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<sub>in</sub>): 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	92	90		91	89	88	85
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	75	73
3	92	82	74	68	90	80	73	68	78	71	66		75	70	65		72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57		67	61	56		65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50		61	54	49		59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44		55	49	44		53	48	43	41
7	67	54	45	40	65	53	45	39	52	44	39		50	44	39		49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35		46	40	35		45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32		43	36	32		42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29		39	33	29		39	33	29	27

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	9270	9270	9270
5°	9279	9259	9309
10°	9272	9255	9306
15°	9253	9240	9284
20°	9215	9204	9240
25°	9155	9133	9165
30°	9074	9063	9051
35°	8948	8928	8892
40°	8723	8688	8627
45°	8360	8266	8205
50°	7692	7604	7511
55°	6807	6778	6645
60°	5915	5895	5735
65°	5213	5181	5079
70°	4731	4663	4566
75°	4377	4276	4198
80°	3999	3942	3809
85°	3165	3127	3013



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	293.3	3.8
10°-20°	841.9	10.8
20°-30°	1275.4	16.3
30°-40°	1522.5	19.5
40°-50°	1497.4	19.1
50°-60°	1157.3	14.8
60°-70°	729.7	9.3
70°-80°	394.7	5.0
80°-90°	107.9	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°	2410.6	30.8
0°-40°	3933.1	50.3
0°-60°	6587.7	84.2
0°-90°	7820.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7820.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3092	3092	3092	3092	3092	
5°	3083	3084	3077	3090	3093	293
15°	2981	2982	2977	2987	2991	841
25°	2767	2770	2761	2770	2771	1275
35°	2445	2446	2439	2436	2429	1527
45°	1972	1964	1950	1934	1935	1510
55°	1302	1313	1297	1276	1271	1169
65°	735	736	730	718	716	739
75°	378	374	369	371	362	402
85°	92	93	91	92	88	109
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3092.1	3092.1	3092.1	3092.1	3092.1
2.5°	3091.0	3092.1	3083.3	3097.7	3101.0
5°	3083.3	3084.4	3076.6	3089.9	3093.2
7.5°	3067.8	3070.0	3062.2	3075.5	3078.8
10°	3045.6	3047.8	3040.0	3053.3	3056.7
12.5°	3017.9	3019.0	3012.3	3024.5	3027.9
15°	2981.3	2982.4	2976.9	2986.8	2991.3
17.5°	2939.2	2940.3	2932.5	2944.7	2946.9
20°	2888.2	2889.3	2884.9	2894.9	2896.0
22.5°	2831.7	2833.9	2827.3	2836.1	2837.2
25°	2767.4	2769.6	2760.8	2769.6	2770.7
27.5°	2699.8	2700.9	2693.1	2699.8	2698.7
30°	2621.1	2627.8	2617.8	2615.6	2614.5
32.5°	2539.1	2540.2	2530.2	2528.0	2532.4
35°	2444.9	2446.0	2439.4	2436.0	2429.4
37.5°	2341.8	2341.8	2329.6	2327.4	2326.3
40°	2228.8	2227.7	2219.9	2212.2	2204.4
42.5°	2105.8	2108.0	2092.5	2079.2	2076.9
45°	1971.7	1963.9	1949.5	1934.0	1935.1
47.5°	1813.2	1815.4	1795.4	1783.2	1779.9
50°	1649.1	1649.1	1630.3	1617.0	1610.3
52.5°	1477.4	1478.5	1460.7	1443.0	1439.7
55°	1302.2	1313.3	1296.7	1275.6	1271.2
57.5°	1138.2	1147.1	1131.6	1109.4	1108.3
60°	986.4	987.5	983.1	962.0	956.5
62.5°	856.7	851.2	849.0	837.9	831.2
65°	734.8	735.9	730.4	718.2	716.0
67.5°	636.2	635.1	625.1	617.3	612.9
70°	539.7	536.4	532.0	525.3	520.9
72.5°	453.3	453.3	450.0	447.7	440.0
75°	377.9	373.5	369.1	371.3	362.4
77.5°	305.9	301.5	298.1	293.7	291.5
80°	231.6	227.2	228.3	221.7	220.6
82.5°	160.7	160.7	158.5	152.9	154.1
85°	92.0	93.1	90.9	92.0	87.6
87.5°	33.2	34.4	36.6	34.4	34.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)