

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: P737970

Luminaire Tested: **14PT-70-PR1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737970
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-70-PR1-L850
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

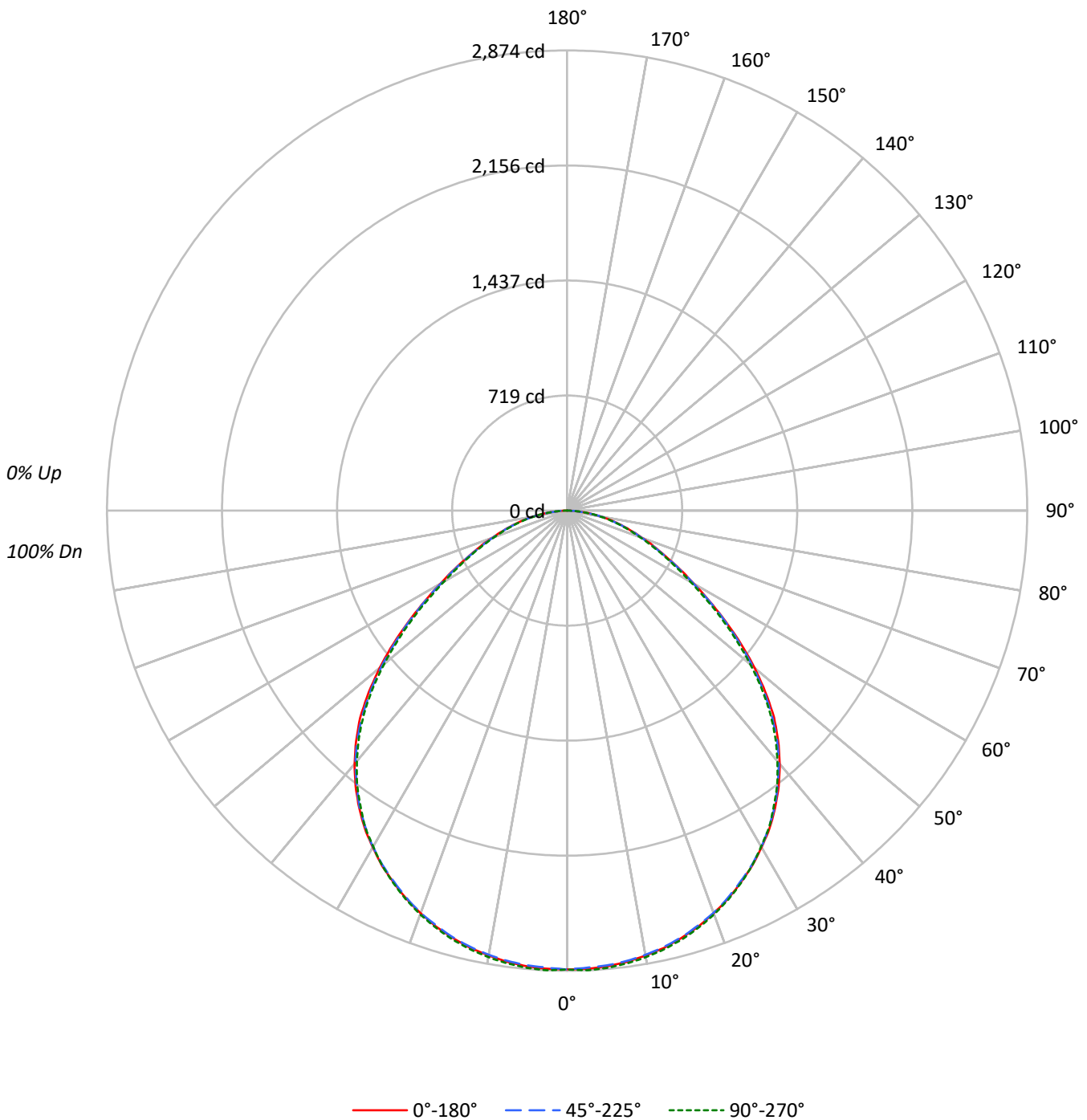
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7247.0 lumens
Efficiency: N/A
Efficacy: 115.6 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): 62.7
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	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°	8591	8591	8591
5°	8599	8581	8627
10°	8592	8577	8624
15°	8576	8563	8604
20°	8540	8530	8563
25°	8484	8464	8494
30°	8409	8399	8388
35°	8292	8274	8240
40°	8084	8051	7995
45°	7747	7660	7603
50°	7128	7047	6961
55°	6308	6281	6158
60°	5481	5462	5315
65°	4831	4801	4707
70°	4385	4322	4231
75°	4057	3962	3891
80°	3707	3653	3529
85°	2931	2896	2790



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.8	3.8
10°-20°	780.2	10.8
20°-30°	1182.0	16.3
30°-40°	1411.0	19.5
40°-50°	1387.6	19.1
50°-60°	1072.5	14.8
60°-70°	676.3	9.3
70°-80°	365.8	5.0
80°-90°	99.9	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°	2234.0	30.8
0°-40°	3644.9	50.3
0°-60°	6105.0	84.2
0°-90°	7247.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7247.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2866	2866	2866	2866	2866	
5°	2857	2858	2851	2864	2867	272
15°	2763	2764	2759	2768	2772	780
25°	2565	2567	2558	2567	2568	1182
35°	2266	2267	2261	2258	2251	1415
45°	1827	1820	1807	1792	1793	1399
55°	1207	1217	1202	1182	1178	1083
65°	681	682	677	666	664	685
75°	350	346	342	344	336	372
85°	85	86	84	85	81	101
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2865.6	2865.6	2865.6	2865.6	2865.6
2.5°	2864.5	2865.6	2857.3	2870.7	2873.8
5°	2857.3	2858.4	2851.2	2863.5	2866.6
7.5°	2843.0	2845.0	2837.8	2850.2	2853.2
10°	2822.4	2824.5	2817.3	2829.6	2832.7
12.5°	2796.7	2797.8	2791.6	2802.9	2806.0
15°	2762.9	2763.9	2758.7	2768.0	2772.1
17.5°	2723.8	2724.9	2717.7	2729.0	2731.0
20°	2676.6	2677.6	2673.5	2682.7	2683.8
22.5°	2624.2	2626.3	2620.1	2628.3	2629.3
25°	2564.6	2566.7	2558.5	2566.7	2567.7
27.5°	2502.0	2503.0	2495.8	2502.0	2500.9
30°	2429.1	2435.2	2426.0	2423.9	2422.9
32.5°	2353.0	2354.1	2344.8	2342.8	2346.9
35°	2265.7	2266.8	2260.6	2257.5	2251.4
37.5°	2170.2	2170.2	2158.9	2156.9	2155.8
40°	2065.5	2064.4	2057.2	2050.1	2042.9
42.5°	1951.5	1953.5	1939.1	1926.8	1924.8
45°	1827.2	1820.0	1806.6	1792.3	1793.3
47.5°	1680.3	1682.4	1663.9	1652.6	1649.5
50°	1528.3	1528.3	1510.8	1498.5	1492.4
52.5°	1369.1	1370.1	1353.7	1337.3	1334.2
55°	1206.8	1217.1	1201.7	1182.2	1178.1
57.5°	1054.8	1063.0	1048.7	1028.1	1027.1
60°	914.1	915.1	911.0	891.5	886.4
62.5°	793.9	788.8	786.7	776.5	770.3
65°	681.0	682.0	676.8	665.5	663.5
67.5°	589.5	588.5	579.3	572.1	568.0
70°	500.2	497.1	493.0	486.8	482.7
72.5°	420.1	420.1	417.0	414.9	407.8
75°	350.2	346.1	342.0	344.1	335.9
77.5°	283.5	279.4	276.3	272.2	270.1
80°	214.7	210.6	211.6	205.4	204.4
82.5°	148.9	148.9	146.9	141.7	142.8
85°	85.2	86.3	84.2	85.2	81.1
87.5°	30.8	31.8	33.9	31.8	31.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)