

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: P737967

Luminaire Tested: **14PT-70-PR1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737967
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-L830
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

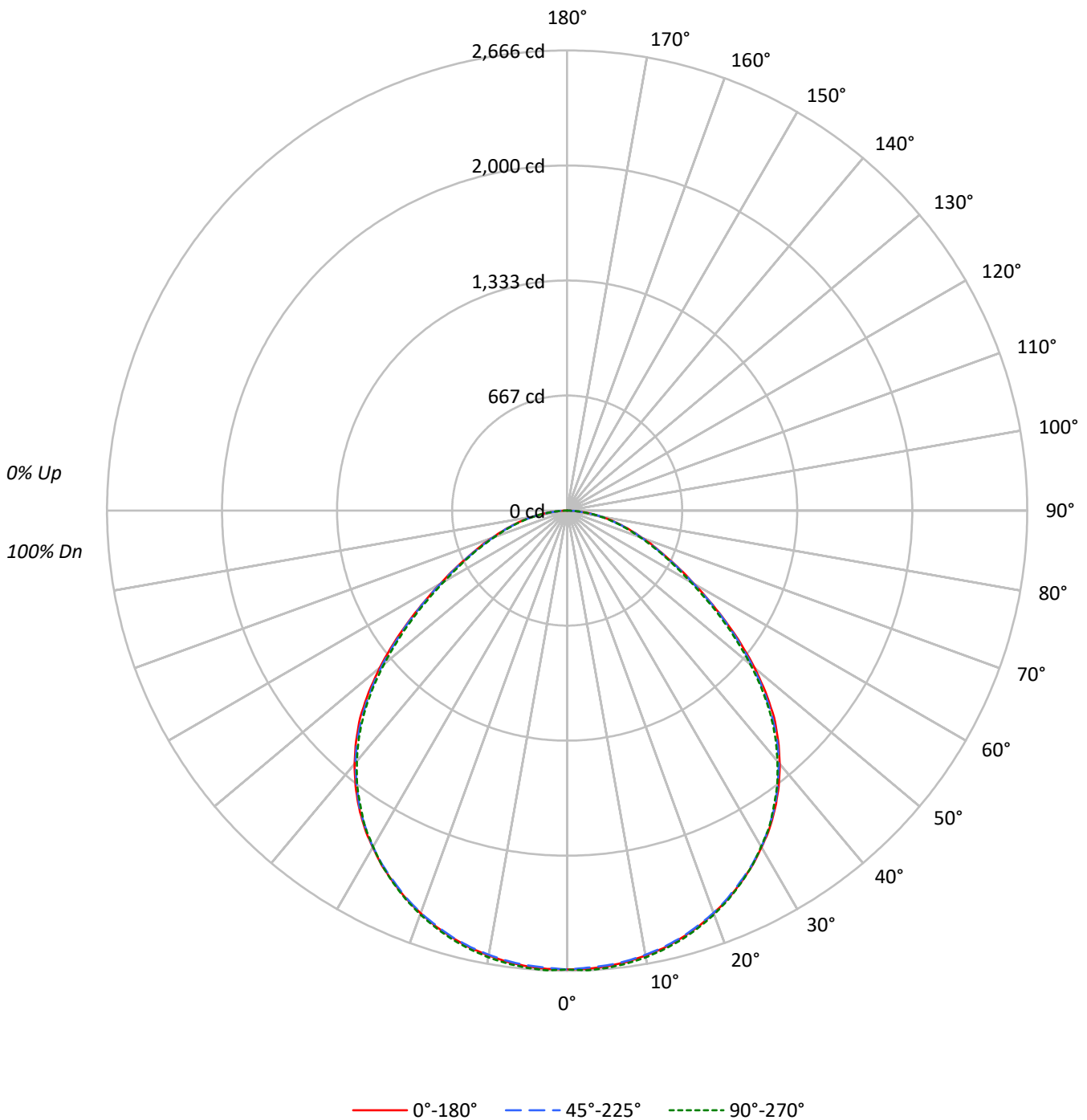
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6723.0 lumens
Efficiency: N/A
Efficacy: 107.2 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°	7970	7970	7970
5°	7977	7960	8003
10°	7971	7957	8000
15°	7955	7944	7982
20°	7922	7913	7943
25°	7870	7852	7880
30°	7801	7791	7781
35°	7693	7676	7644
40°	7499	7469	7417
45°	7187	7106	7054
50°	6613	6537	6457
55°	5852	5827	5713
60°	5085	5068	4931
65°	4481	4454	4366
70°	4067	4009	3925
75°	3764	3675	3609
80°	3438	3389	3273
85°	2721	2687	2590



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.1	3.8
10°-20°	723.8	10.8
20°-30°	1096.5	16.3
30°-40°	1309.0	19.5
40°-50°	1287.3	19.1
50°-60°	994.9	14.8
60°-70°	627.4	9.3
70°-80°	339.3	5.0
80°-90°	92.7	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°	2072.4	30.8
0°-40°	3381.4	50.3
0°-60°	5663.6	84.2
0°-90°	6723.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6723.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2658	2658	2658	2658	2658	
5°	2651	2652	2645	2656	2659	252
15°	2563	2564	2559	2568	2572	723
25°	2379	2381	2374	2381	2382	1097
35°	2102	2103	2097	2094	2089	1312
45°	1695	1688	1676	1663	1664	1298
55°	1120	1129	1115	1097	1093	1005
65°	632	633	628	617	616	636
75°	325	321	317	319	312	345
85°	79	80	78	79	75	94
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2658.4	2658.4	2658.4	2658.4	2658.4
2.5°	2657.4	2658.4	2650.7	2663.1	2666.0
5°	2650.7	2651.7	2645.0	2656.5	2659.3
7.5°	2637.4	2639.3	2632.6	2644.1	2646.9
10°	2618.3	2620.3	2613.6	2625.0	2627.9
12.5°	2594.5	2595.5	2589.8	2600.2	2603.1
15°	2563.1	2564.0	2559.3	2567.8	2571.7
17.5°	2526.9	2527.8	2521.2	2531.6	2533.5
20°	2483.0	2484.0	2480.2	2488.8	2489.7
22.5°	2434.5	2436.4	2430.6	2438.3	2439.2
25°	2379.2	2381.1	2373.5	2381.1	2382.0
27.5°	2321.1	2322.0	2315.4	2321.1	2320.1
30°	2253.4	2259.1	2250.6	2248.7	2247.7
32.5°	2182.9	2183.9	2175.3	2173.4	2177.2
35°	2101.9	2102.9	2097.2	2094.3	2088.6
37.5°	2013.3	2013.3	2002.8	2000.9	2000.0
40°	1916.1	1915.2	1908.5	1901.8	1895.2
42.5°	1810.4	1812.3	1798.9	1787.5	1785.6
45°	1695.1	1688.4	1676.0	1662.7	1663.6
47.5°	1558.8	1560.7	1543.6	1533.1	1530.2
50°	1417.8	1417.8	1401.6	1390.2	1384.4
52.5°	1270.1	1271.1	1255.8	1240.6	1237.7
55°	1119.6	1129.1	1114.8	1096.7	1092.9
57.5°	978.5	986.2	972.8	953.8	952.8
60°	848.0	849.0	845.2	827.0	822.3
62.5°	736.5	731.8	729.9	720.3	714.6
65°	631.7	632.7	627.9	617.4	615.5
67.5°	546.9	546.0	537.4	530.7	526.9
70°	464.0	461.2	457.4	451.6	447.8
72.5°	389.7	389.7	386.8	384.9	378.3
75°	324.9	321.1	317.3	319.2	311.6
77.5°	263.0	259.2	256.3	252.5	250.6
80°	199.1	195.3	196.3	190.6	189.6
82.5°	138.2	138.2	136.3	131.5	132.4
85°	79.1	80.0	78.1	79.1	75.3
87.5°	28.6	29.5	31.4	29.5	29.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)