

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: P737951

Luminaire Tested: **14PT-70-PL1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737951
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-70-PL1-L830
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

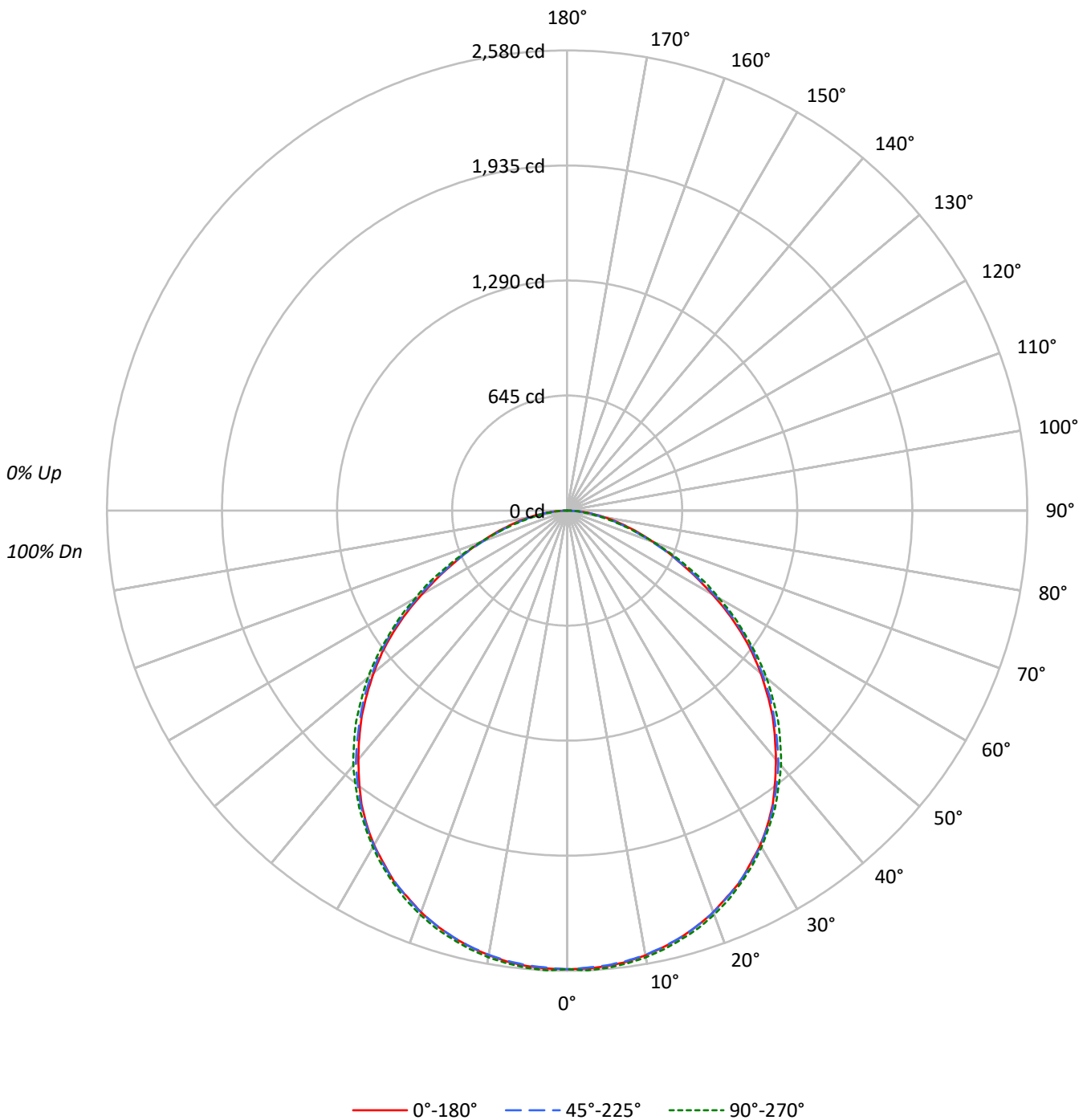
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6779.0 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7710	7710	7710
5°	7716	7702	7745
10°	7707	7698	7742
15°	7683	7680	7719
20°	7645	7645	7688
25°	7593	7584	7624
30°	7497	7507	7544
35°	7355	7383	7442
40°	7126	7208	7301
45°	6904	6961	7094
50°	6599	6671	6804
55°	6215	6315	6390
60°	5639	5759	5902
65°	5008	5063	5265
70°	4477	4385	4493
75°	4039	3808	3731
80°	3669	3405	3027
85°	3113	2817	2425



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.9	3.6
10°-20°	699.7	10.3
20°-30°	1058.3	15.6
30°-40°	1261.5	18.6
40°-50°	1268.5	18.7
50°-60°	1076.6	15.9
60°-70°	716.8	10.6
70°-80°	357.9	5.3
80°-90°	95.8	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°	2001.9	29.5
0°-40°	3263.4	48.1
0°-60°	5608.5	82.7
0°-90°	6779.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6779.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2572	2572	2572	2572	2572	
5°	2564	2565	2559	2571	2574	244
15°	2475	2478	2474	2485	2487	698
25°	2295	2295	2292	2303	2305	1055
35°	2010	2011	2017	2031	2033	1253
45°	1628	1631	1642	1664	1673	1253
55°	1189	1198	1208	1220	1222	1060
65°	706	712	714	724	742	708
75°	349	344	329	321	322	374
85°	90	89	82	77	70	105
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2571.6	2571.6	2571.6	2571.6	2571.6
2.5°	2569.7	2571.6	2565.0	2577.4	2580.2
5°	2564.0	2565.0	2559.3	2570.7	2573.5
7.5°	2551.6	2552.6	2546.9	2559.3	2561.2
10°	2531.6	2533.5	2528.8	2540.2	2543.1
12.5°	2505.9	2508.8	2504.0	2516.4	2518.3
15°	2475.4	2478.3	2474.5	2484.9	2486.8
17.5°	2438.2	2440.1	2438.2	2447.8	2453.5
20°	2396.3	2396.3	2396.3	2404.9	2409.7
22.5°	2343.9	2348.7	2346.8	2358.2	2363.0
25°	2295.3	2295.3	2292.5	2302.9	2304.8
27.5°	2227.7	2235.3	2234.3	2243.9	2245.8
30°	2165.7	2167.6	2168.6	2175.3	2179.1
32.5°	2090.5	2092.4	2095.2	2104.8	2105.7
35°	2009.5	2011.4	2017.1	2031.4	2033.3
37.5°	1915.2	1925.6	1930.4	1945.6	1947.5
40°	1820.8	1827.5	1841.8	1858.0	1865.6
42.5°	1724.6	1732.2	1740.8	1762.7	1769.4
45°	1628.4	1631.2	1641.7	1663.6	1673.1
47.5°	1521.6	1530.2	1539.7	1558.8	1564.5
50°	1414.9	1424.5	1430.2	1447.3	1458.8
52.5°	1307.3	1315.8	1322.5	1333.0	1344.4
55°	1189.1	1197.7	1208.2	1219.6	1222.5
57.5°	1069.1	1078.6	1085.3	1097.6	1110.0
60°	940.4	950.9	960.4	971.9	984.3
62.5°	820.4	825.1	834.7	853.7	871.8
65°	706.0	711.7	713.7	724.1	742.2
67.5°	610.8	610.8	602.2	606.0	626.0
70°	510.7	506.9	500.2	496.4	512.6
72.5°	429.7	425.0	410.7	404.0	412.6
75°	348.7	344.0	328.7	321.1	322.1
77.5°	280.1	272.5	260.1	246.8	243.9
80°	212.5	209.6	197.2	184.8	175.3
82.5°	150.5	143.9	137.2	129.6	122.0
85°	90.5	88.6	81.9	77.2	70.5
87.5°	37.2	37.2	35.3	33.3	31.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)