

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: P738591

Luminaire Tested: **24PT-60-PC3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738591
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-60-PC3-L830
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

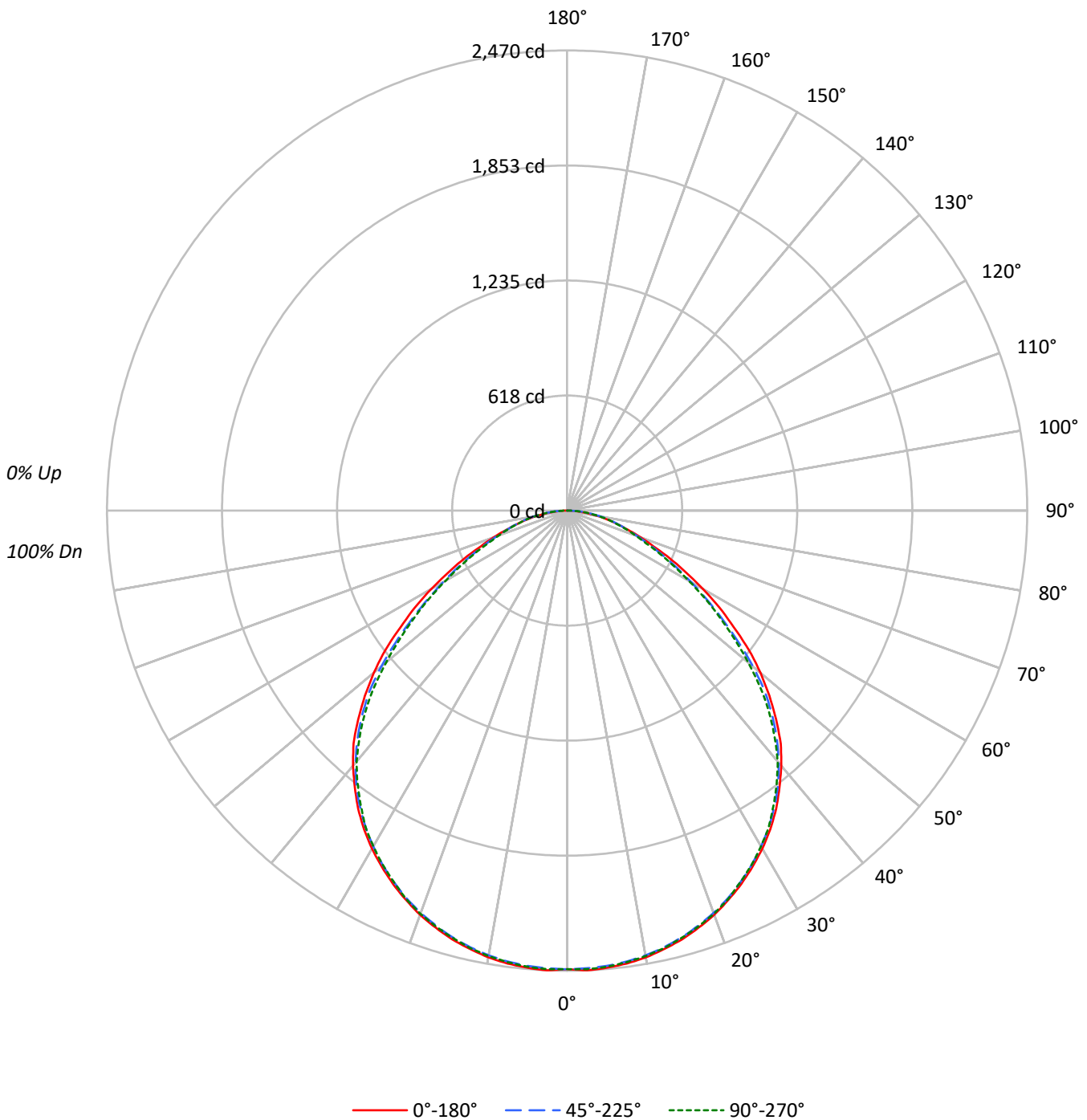
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6210.0 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 50.7
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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86
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	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	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	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3530	3530	3530
5°	3546	3531	3538
10°	3546	3530	3535
15°	3538	3521	3525
20°	3523	3507	3514
25°	3499	3482	3481
30°	3469	3446	3445
35°	3423	3395	3380
40°	3346	3306	3291
45°	3216	3157	3112
50°	3020	2904	2828
55°	2730	2545	2497
60°	2415	2203	2159
65°	2065	1908	1860
70°	1749	1675	1626
75°	1533	1560	1507
80°	1375	1516	1432
85°	1161	1387	1319



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.4	3.8
10°-20°	670.0	10.8
20°-30°	1015.0	16.3
30°-40°	1212.3	19.5
40°-50°	1195.9	19.3
50°-60°	925.8	14.9
60°-70°	569.1	9.2
70°-80°	298.2	4.8
80°-90°	90.4	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°	1918.4	30.9
0°-40°	3130.7	50.4
0°-60°	5252.4	84.6
0°-90°	6210.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6210.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2462	2462	2462	2462	2462	
5°	2463	2456	2453	2452	2458	234
15°	2383	2376	2372	2370	2375	672
25°	2212	2205	2201	2200	2200	1019
35°	1956	1947	1940	1934	1931	1221
45°	1586	1575	1557	1540	1535	1220
55°	1092	1063	1018	1003	999	980
65°	608	580	562	546	548	607
75°	277	280	282	276	272	298
85°	71	79	84	82	80	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2461.9	2461.9	2461.9	2461.9	2461.9
2.5°	2470.1	2462.6	2459.2	2458.5	2464.0
5°	2463.3	2455.7	2453.0	2451.6	2457.8
7.5°	2452.3	2444.1	2441.3	2439.3	2444.8
10°	2435.2	2427.0	2424.2	2422.8	2427.6
12.5°	2410.5	2403.0	2400.9	2398.9	2405.0
15°	2383.1	2375.6	2372.1	2370.1	2374.9
17.5°	2347.5	2341.3	2337.2	2337.2	2341.3
20°	2309.1	2301.6	2298.1	2296.1	2302.9
22.5°	2261.8	2257.0	2252.9	2249.5	2257.0
25°	2211.8	2205.0	2200.8	2199.5	2200.2
27.5°	2154.9	2150.1	2144.7	2142.6	2144.0
30°	2095.3	2089.2	2081.6	2077.5	2080.9
32.5°	2028.9	2020.0	2013.8	2009.7	2014.5
35°	1955.5	1946.6	1939.8	1933.6	1930.9
37.5°	1871.9	1869.2	1859.6	1848.7	1848.0
40°	1787.7	1780.1	1766.4	1761.6	1758.2
42.5°	1697.2	1681.5	1667.1	1653.4	1648.6
45°	1586.2	1574.6	1556.8	1540.3	1534.8
47.5°	1472.5	1457.4	1440.3	1411.5	1408.1
50°	1353.9	1332.0	1301.9	1277.9	1267.6
52.5°	1230.6	1201.1	1159.3	1138.8	1133.3
55°	1092.2	1062.7	1018.2	1003.1	999.0
57.5°	968.9	925.7	889.4	872.3	877.7
60°	842.1	800.3	768.1	751.7	753.0
62.5°	718.1	685.2	661.2	645.5	647.5
65°	608.5	580.4	562.5	546.1	548.2
67.5°	500.9	487.9	474.8	465.2	459.8
70°	417.3	411.8	399.5	390.6	387.8
72.5°	341.2	344.7	334.4	331.6	330.9
75°	276.8	279.6	281.6	276.1	272.0
77.5°	221.3	225.4	233.7	226.1	224.7
80°	166.5	174.7	183.6	178.8	173.4
82.5°	116.5	126.8	135.0	128.8	126.1
85°	70.6	78.8	84.3	82.2	80.2
87.5°	31.5	34.3	37.0	37.7	36.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)