

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: P738630

Luminaire Tested: **24PT-72-PC3-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738630
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-72-PC3-L950
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

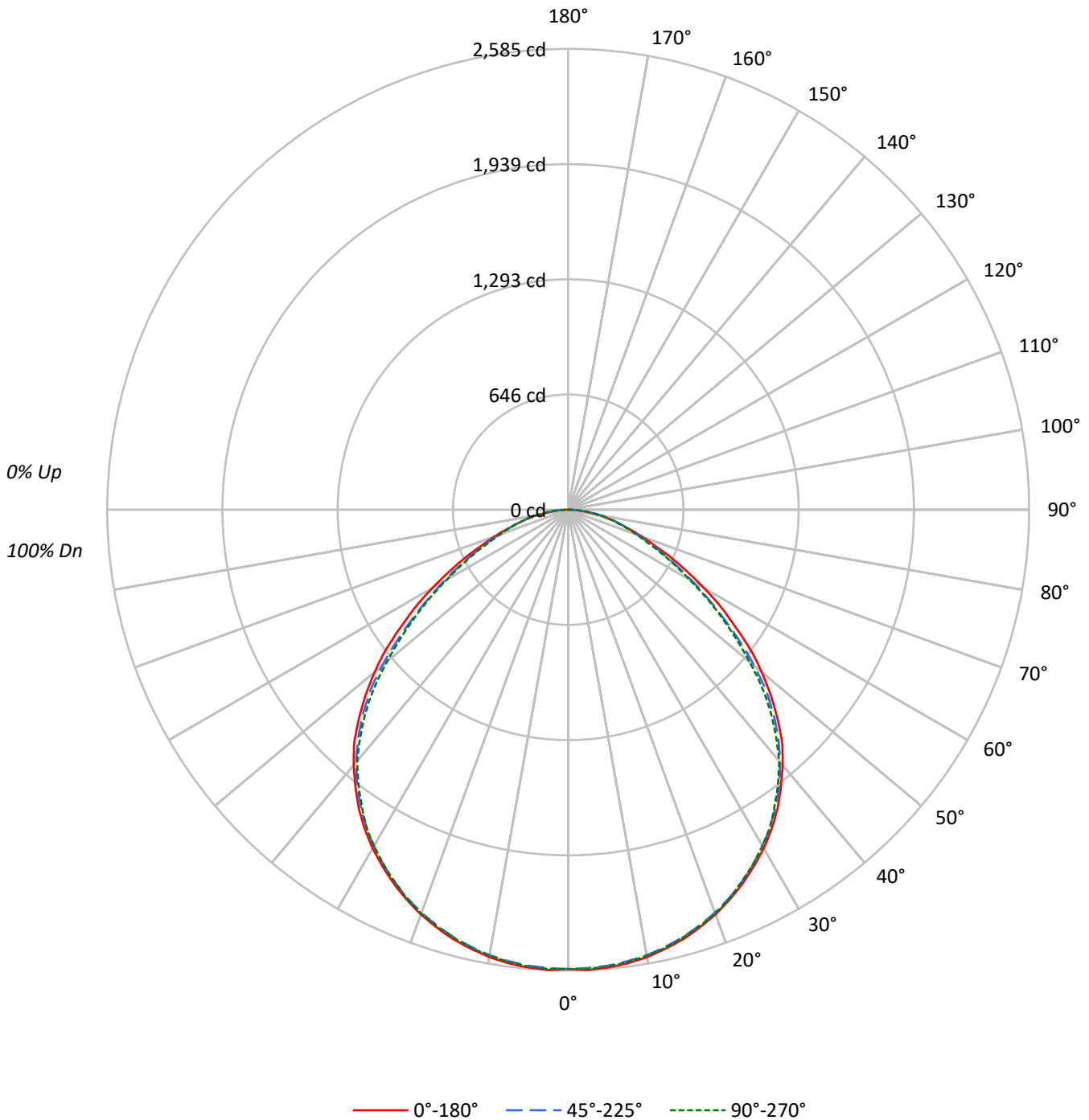
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6498.0 lumens
Efficiency: N/A
Efficacy: 108.1 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): 60.1
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					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°	3694	3694	3694
5°	3710	3694	3702
10°	3710	3693	3698
15°	3702	3685	3689
20°	3687	3669	3677
25°	3662	3643	3642
30°	3630	3606	3605
35°	3582	3553	3537
40°	3501	3460	3444
45°	3366	3303	3257
50°	3160	3039	2959
55°	2857	2663	2613
60°	2527	2305	2260
65°	2160	1997	1946
70°	1830	1752	1701
75°	1605	1633	1577
80°	1438	1586	1498
85°	1214	1451	1380



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.3	3.8
10°-20°	701.1	10.8
20°-30°	1062.0	16.3
30°-40°	1268.5	19.5
40°-50°	1251.4	19.3
50°-60°	968.7	14.9
60°-70°	595.4	9.2
70°-80°	312.0	4.8
80°-90°	94.6	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°	2007.4	30.9
0°-40°	3275.9	50.4
0°-60°	5496.0	84.6
0°-90°	6498.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6498.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2576	2576	2576	2576	2576	
5°	2578	2570	2567	2565	2572	245
15°	2494	2486	2482	2480	2485	704
25°	2314	2307	2303	2302	2302	1066
35°	2046	2037	2030	2023	2020	1277
45°	1660	1648	1629	1612	1606	1277
55°	1143	1112	1065	1050	1045	1026
65°	637	607	589	571	574	635
75°	290	292	295	289	285	312
85°	74	82	88	86	84	86
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2576.1	2576.1	2576.1	2576.1	2576.1
2.5°	2584.7	2576.8	2573.2	2572.5	2578.2
5°	2577.5	2569.6	2566.8	2565.3	2571.8
7.5°	2566.0	2557.4	2554.6	2552.4	2558.2
10°	2548.1	2539.5	2536.6	2535.2	2540.2
12.5°	2522.3	2514.4	2512.3	2510.1	2516.6
15°	2493.6	2485.7	2482.2	2480.0	2485.0
17.5°	2456.3	2449.9	2445.6	2445.6	2449.9
20°	2416.2	2408.3	2404.7	2402.6	2409.7
22.5°	2366.7	2361.7	2357.4	2353.8	2361.7
25°	2314.4	2307.2	2302.9	2301.5	2302.2
27.5°	2254.9	2249.9	2244.1	2242.0	2243.4
30°	2192.5	2186.0	2178.2	2173.9	2177.4
32.5°	2122.9	2113.6	2107.2	2102.9	2107.9
35°	2046.2	2036.9	2029.7	2023.3	2020.4
37.5°	1958.8	1955.9	1945.9	1934.4	1933.7
40°	1870.6	1862.7	1848.3	1843.3	1839.7
42.5°	1775.9	1759.4	1744.4	1730.0	1725.0
45°	1659.8	1647.6	1629.0	1611.7	1606.0
47.5°	1540.8	1525.0	1507.1	1477.0	1473.4
50°	1416.7	1393.8	1362.2	1337.2	1326.4
52.5°	1287.7	1256.8	1213.1	1191.6	1185.9
55°	1142.9	1112.0	1065.4	1049.6	1045.3
57.5°	1013.8	968.6	930.6	912.7	918.4
60°	881.2	837.4	803.7	786.5	788.0
62.5°	751.4	717.0	691.9	675.4	677.5
65°	636.7	607.3	588.6	571.4	573.6
67.5°	524.1	510.5	496.9	486.8	481.1
70°	436.6	430.9	418.0	408.7	405.8
72.5°	357.1	360.6	349.9	347.0	346.3
75°	289.7	292.5	294.7	288.9	284.6
77.5°	231.6	235.9	244.5	236.6	235.2
80°	174.2	182.8	192.1	187.1	181.4
82.5°	121.9	132.6	141.2	134.8	131.9
85°	73.8	82.5	88.2	86.0	83.9
87.5°	33.0	35.8	38.7	39.4	38.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)