

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: P738623

Luminaire Tested: **24PT-72-PC3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738623
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-L830
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

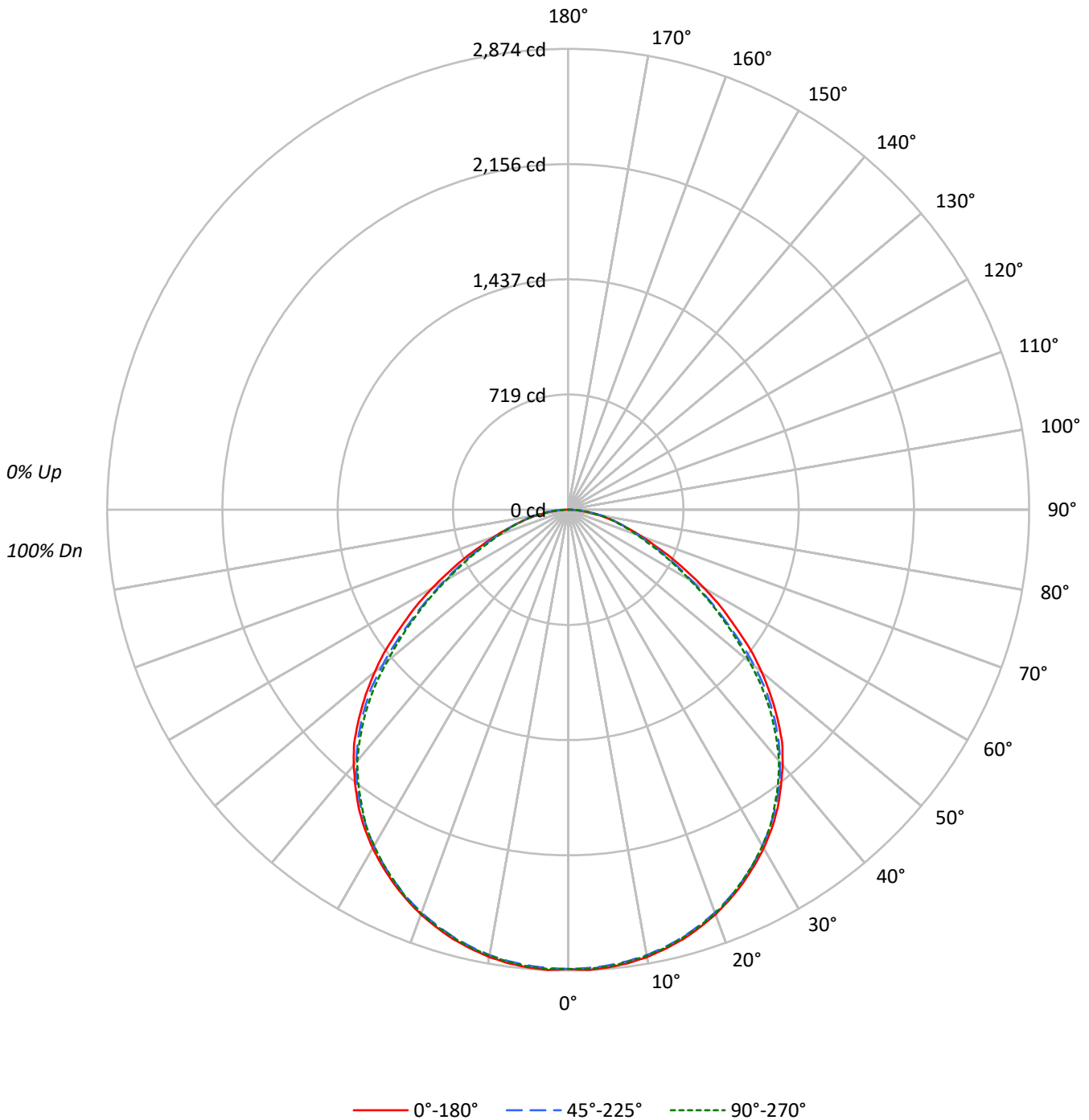
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7224.0 lumens
Efficiency: N/A
Efficacy: 120.2 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 (Ain): 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°	4106	4106	4106
5°	4124	4107	4115
10°	4125	4106	4112
15°	4115	4096	4101
20°	4099	4079	4088
25°	4071	4050	4049
30°	4036	4009	4008
35°	3982	3950	3932
40°	3893	3846	3828
45°	3742	3672	3620
50°	3513	3378	3289
55°	3176	2961	2905
60°	2809	2562	2512
65°	2401	2220	2164
70°	2035	1948	1891
75°	1784	1815	1753
80°	1599	1764	1665
85°	1351	1612	1535



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.6	3.8
10°-20°	779.4	10.8
20°-30°	1180.7	16.3
30°-40°	1410.2	19.5
40°-50°	1391.2	19.3
50°-60°	1077.0	14.9
60°-70°	662.0	9.2
70°-80°	346.8	4.8
80°-90°	105.1	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°	2231.7	30.9
0°-40°	3641.9	50.4
0°-60°	6110.1	84.6
0°-90°	7224.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7224.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2864	2864	2864	2864	2864	
5°	2866	2857	2854	2852	2859	272
15°	2772	2764	2760	2757	2763	782
25°	2573	2565	2560	2559	2559	1185
35°	2275	2264	2256	2249	2246	1420
45°	1845	1832	1811	1792	1785	1420
55°	1270	1236	1184	1167	1162	1140
65°	708	675	654	635	638	706
75°	322	325	328	321	316	347
85°	82	92	98	96	93	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2863.9	2863.9	2863.9	2863.9	2863.9
2.5°	2873.5	2864.7	2860.7	2859.9	2866.3
5°	2865.5	2856.7	2853.5	2851.9	2859.1
7.5°	2852.7	2843.2	2840.0	2837.6	2844.0
10°	2832.8	2823.2	2820.1	2818.5	2824.0
12.5°	2804.1	2795.3	2793.0	2790.6	2797.7
15°	2772.2	2763.5	2759.5	2757.1	2762.7
17.5°	2730.8	2723.6	2718.8	2718.8	2723.6
20°	2686.1	2677.4	2673.4	2671.0	2679.0
22.5°	2631.1	2625.6	2620.8	2616.8	2625.6
25°	2573.0	2565.0	2560.2	2558.6	2559.4
27.5°	2506.8	2501.2	2494.8	2492.5	2494.0
30°	2437.5	2430.3	2421.5	2416.7	2420.7
32.5°	2360.1	2349.8	2342.6	2337.8	2343.4
35°	2274.9	2264.5	2256.5	2249.3	2246.2
37.5°	2177.6	2174.4	2163.3	2150.5	2149.7
40°	2079.6	2070.8	2054.9	2049.3	2045.3
42.5°	1974.4	1956.0	1939.3	1923.3	1917.8
45°	1845.2	1831.7	1811.0	1791.8	1785.4
47.5°	1712.9	1695.4	1675.5	1642.0	1638.0
50°	1575.0	1549.5	1514.4	1486.5	1474.6
52.5°	1431.5	1397.3	1348.7	1324.7	1318.4
55°	1270.5	1236.3	1184.5	1166.9	1162.1
57.5°	1127.1	1076.8	1034.6	1014.7	1021.1
60°	979.6	931.0	893.5	874.4	876.0
62.5°	835.3	797.1	769.2	750.8	753.2
65°	707.8	675.1	654.4	635.3	637.7
67.5°	582.7	567.5	552.4	541.2	534.8
70°	485.4	479.0	464.7	454.3	451.1
72.5°	396.9	400.9	389.0	385.8	385.0
75°	322.0	325.2	327.6	321.2	316.4
77.5°	257.5	262.2	271.8	263.0	261.4
80°	193.7	203.3	213.6	208.0	201.7
82.5°	135.5	147.5	157.0	149.9	146.7
85°	82.1	91.7	98.0	95.6	93.3
87.5°	36.7	39.9	43.0	43.8	42.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)