

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: P738661

Luminaire Tested: **24PT-80-PC3-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738661
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-80-PC3-L940
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

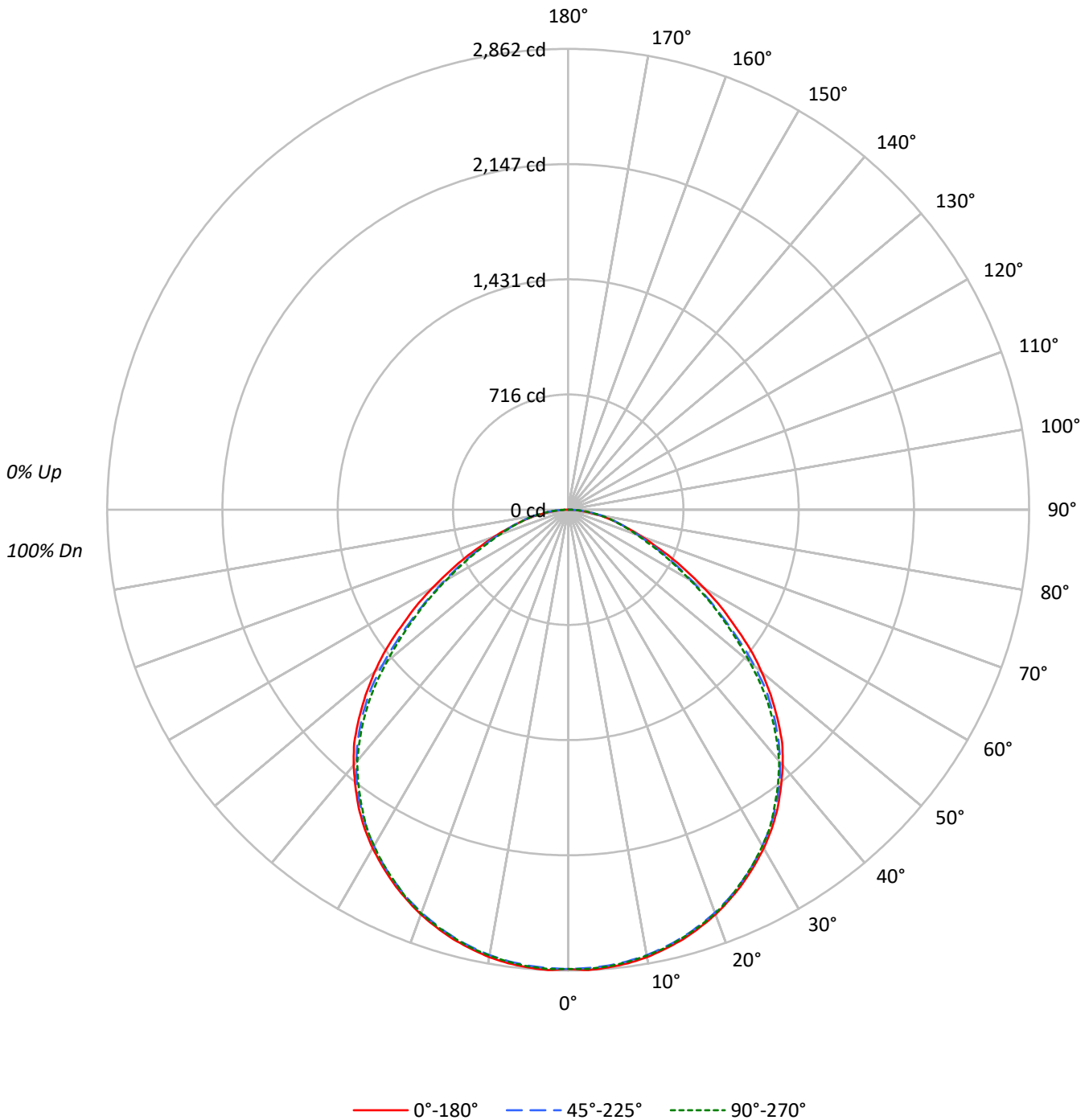
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7195.0 lumens
Efficiency: N/A
Efficacy: 105.3 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): 68.3
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°	4090	4090	4090
5°	4108	4091	4099
10°	4108	4089	4095
15°	4099	4080	4085
20°	4082	4063	4071
25°	4054	4034	4033
30°	4019	3993	3992
35°	3966	3934	3916
40°	3877	3831	3813
45°	3727	3658	3606
50°	3499	3365	3276
55°	3163	2949	2894
60°	2798	2552	2502
65°	2392	2211	2155
70°	2027	1940	1884
75°	1777	1808	1746
80°	1593	1757	1659
85°	1346	1606	1528



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.5	3.8
10°-20°	776.3	10.8
20°-30°	1176.0	16.3
30°-40°	1404.6	19.5
40°-50°	1385.6	19.3
50°-60°	1072.6	14.9
60°-70°	659.3	9.2
70°-80°	345.4	4.8
80°-90°	104.7	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°	2222.7	30.9
0°-40°	3627.3	50.4
0°-60°	6085.5	84.6
0°-90°	7195.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7195.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2852	2852	2852	2852	2852	
5°	2854	2845	2842	2840	2848	271
15°	2761	2752	2748	2746	2752	779
25°	2563	2555	2550	2548	2549	1181
35°	2266	2255	2248	2240	2237	1415
45°	1838	1824	1804	1785	1778	1414
55°	1265	1231	1180	1162	1158	1136
65°	705	672	652	633	635	703
75°	321	324	326	320	315	346
85°	82	91	98	95	93	95
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2852.4	2852.4	2852.4	2852.4	2852.4
2.5°	2861.9	2853.2	2849.2	2848.4	2854.8
5°	2854.0	2845.2	2842.1	2840.5	2847.6
7.5°	2841.3	2831.8	2828.6	2826.2	2832.5
10°	2821.4	2811.9	2808.7	2807.1	2812.7
12.5°	2792.9	2784.1	2781.7	2779.4	2786.5
15°	2761.1	2752.4	2748.4	2746.0	2751.6
17.5°	2719.8	2712.7	2707.9	2707.9	2712.7
20°	2675.4	2666.6	2662.7	2660.3	2668.2
22.5°	2620.6	2615.0	2610.3	2606.3	2615.0
25°	2562.6	2554.7	2549.9	2548.3	2549.1
27.5°	2496.7	2491.2	2484.8	2482.4	2484.0
30°	2427.7	2420.5	2411.8	2407.0	2411.0
32.5°	2350.7	2340.3	2333.2	2328.4	2334.0
35°	2265.7	2255.4	2247.5	2240.3	2237.1
37.5°	2168.9	2165.7	2154.6	2141.9	2141.1
40°	2071.2	2062.5	2046.6	2041.1	2037.1
42.5°	1966.4	1948.2	1931.5	1915.6	1910.1
45°	1837.8	1824.3	1803.7	1784.6	1778.3
47.5°	1706.0	1688.6	1668.7	1635.4	1631.4
50°	1568.7	1543.3	1508.4	1480.6	1468.7
52.5°	1425.8	1391.7	1343.2	1319.4	1313.1
55°	1265.4	1231.3	1179.7	1162.2	1157.5
57.5°	1122.5	1072.5	1030.5	1010.6	1017.0
60°	975.7	927.2	889.9	870.9	872.5
62.5°	832.0	793.9	766.1	747.8	750.2
65°	705.0	672.4	651.8	632.7	635.1
67.5°	580.3	565.2	550.2	539.0	532.7
70°	483.5	477.1	462.8	452.5	449.3
72.5°	395.3	399.3	387.4	384.2	383.4
75°	320.7	323.9	326.3	319.9	315.2
77.5°	256.4	261.2	270.7	262.0	260.4
80°	192.9	202.4	212.8	207.2	200.9
82.5°	135.0	146.9	156.4	149.2	146.1
85°	81.8	91.3	97.6	95.3	92.9
87.5°	36.5	39.7	42.9	43.7	42.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)