

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: P738691

Luminaire Tested: **24PT-90-PC3-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738691
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-90-PC3-L930
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

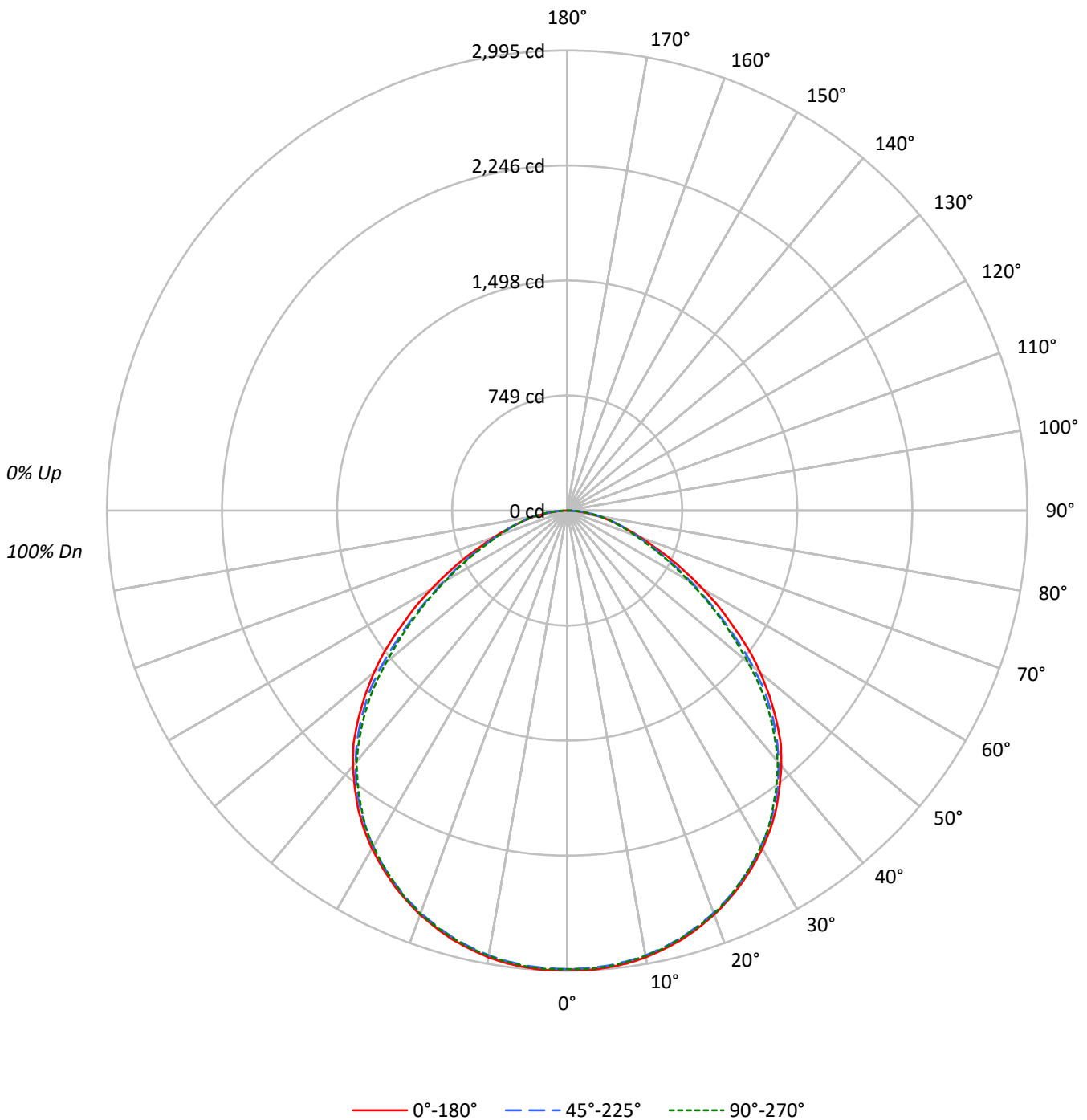
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7529.0 lumens
Efficiency: N/A
Efficacy: 99.5 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): 75.7
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	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°	4280	4280	4280
5°	4299	4281	4289
10°	4299	4279	4285
15°	4289	4269	4274
20°	4272	4252	4260
25°	4243	4221	4220
30°	4206	4179	4177
35°	4150	4117	4098
40°	4057	4009	3990
45°	3900	3827	3773
50°	3662	3521	3428
55°	3310	3086	3028
60°	2928	2670	2618
65°	2503	2314	2255
70°	2121	2030	1971
75°	1859	1891	1827
80°	1667	1838	1736
85°	1408	1681	1599



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.0	3.8
10°-20°	812.3	10.8
20°-30°	1230.6	16.3
30°-40°	1469.8	19.5
40°-50°	1449.9	19.3
50°-60°	1122.4	14.9
60°-70°	689.9	9.2
70°-80°	361.5	4.8
80°-90°	109.6	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°	2325.9	30.9
0°-40°	3795.7	50.4
0°-60°	6368.0	84.6
0°-90°	7529.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7529.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2985	2985	2985	2985	2985	
5°	2986	2977	2974	2972	2980	284
15°	2889	2880	2876	2874	2879	815
25°	2682	2673	2668	2667	2668	1235
35°	2371	2360	2352	2344	2341	1480
45°	1923	1909	1887	1868	1861	1479
55°	1324	1288	1234	1216	1211	1188
65°	738	704	682	662	665	736
75°	336	339	341	335	330	362
85°	86	96	102	100	97	100
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2984.8	2984.8	2984.8	2984.8	2984.8
2.5°	2994.8	2985.6	2981.5	2980.7	2987.3
5°	2986.5	2977.3	2974.0	2972.3	2979.8
7.5°	2973.2	2963.2	2959.9	2957.4	2964.0
10°	2952.4	2942.4	2939.1	2937.5	2943.3
12.5°	2922.5	2913.4	2910.9	2908.4	2915.9
15°	2889.3	2880.1	2876.0	2873.5	2879.3
17.5°	2846.1	2838.6	2833.6	2833.6	2838.6
20°	2799.6	2790.4	2786.3	2783.8	2792.1
22.5°	2742.2	2736.4	2731.4	2727.3	2736.4
25°	2681.6	2673.3	2668.3	2666.6	2667.5
27.5°	2612.6	2606.8	2600.2	2597.7	2599.3
30°	2540.4	2532.9	2523.8	2518.8	2522.9
32.5°	2459.8	2449.0	2441.5	2436.5	2442.3
35°	2370.9	2360.1	2351.8	2344.3	2341.0
37.5°	2269.5	2266.2	2254.6	2241.3	2240.5
40°	2167.4	2158.2	2141.6	2135.8	2131.6
42.5°	2057.7	2038.6	2021.2	2004.5	1998.7
45°	1923.1	1909.0	1887.4	1867.5	1860.8
47.5°	1785.2	1767.0	1746.2	1711.3	1707.1
50°	1641.5	1614.9	1578.4	1549.3	1536.8
52.5°	1492.0	1456.3	1405.6	1380.7	1374.0
55°	1324.2	1288.5	1234.5	1216.2	1211.2
57.5°	1174.6	1122.3	1078.3	1057.5	1064.2
60°	1021.0	970.3	931.2	911.3	913.0
62.5°	870.6	830.7	801.7	782.5	785.0
65°	737.7	703.6	682.0	662.1	664.6
67.5°	607.3	591.5	575.7	564.1	557.4
70°	505.9	499.3	484.3	473.5	470.2
72.5°	413.7	417.9	405.4	402.1	401.2
75°	335.6	338.9	341.4	334.8	329.8
77.5°	268.3	273.3	283.3	274.1	272.5
80°	201.9	211.8	222.6	216.8	210.2
82.5°	141.2	153.7	163.7	156.2	152.9
85°	85.6	95.5	102.2	99.7	97.2
87.5°	38.2	41.5	44.9	45.7	44.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)