

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: P738707

Luminaire Tested: **24PT-90-PR1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738707
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-90-PR1-L930
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

Summary

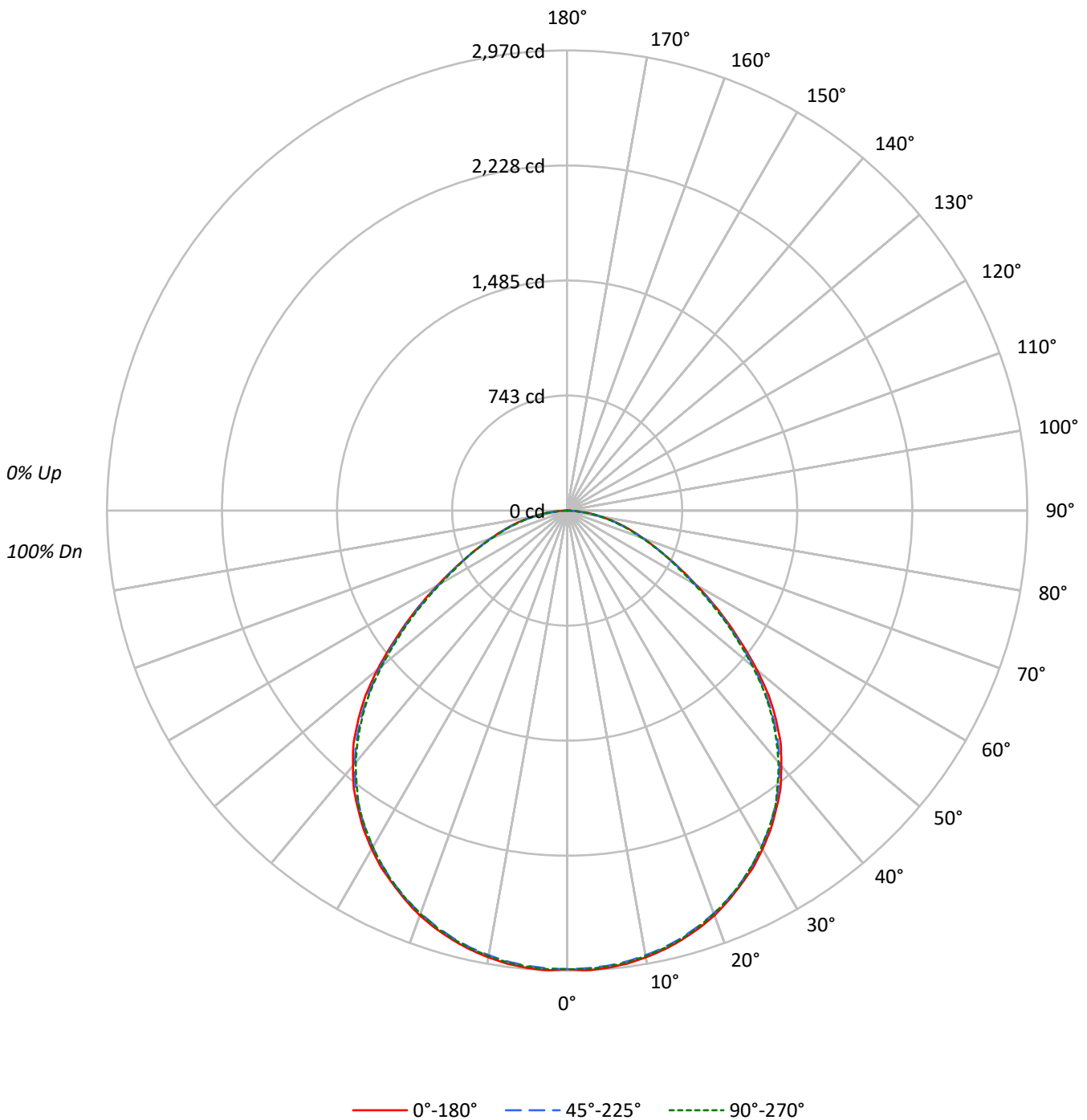
Lumens per Lamp: N/A
Luminaire Lumens: 7538.0 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 75.7
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P738707

CATALOG NUMBER: 24PT-90-PR1-L930

Luminous Intensity Polar Plot





TEST NUMBER: P738707

CATALOG NUMBER: 24PT-90-PR1-L930

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	87					85				
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75					72				
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64					62				
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56					53				
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49					47				
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43					41				
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38					36				
8	62	49	41	35	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	42	36	31	41	36	31					29				
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28					27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4244	4244	4244
5°	4264	4246	4253
10°	4263	4242	4252
15°	4256	4238	4245
20°	4243	4221	4225
25°	4208	4195	4198
30°	4175	4152	4152
35°	4118	4093	4098
40°	4024	3990	3973
45°	3864	3802	3782
50°	3567	3515	3482
55°	3175	3130	3109
60°	2768	2737	2709
65°	2425	2428	2414
70°	2183	2175	2144
75°	2033	1973	1978
80°	1815	1781	1781
85°	1400	1441	1387



TEST NUMBER: P738707

CATALOG NUMBER: 24PT-90-PR1-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.7	3.7
10°-20°	806.2	10.7
20°-30°	1222.3	16.2
30°-40°	1461.9	19.4
40°-50°	1443.5	19.1
50°-60°	1123.5	14.9
60°-70°	713.2	9.5
70°-80°	382.8	5.1
80°-90°	103.8	1.4
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°	2309.3	30.6
0°-40°	3771.2	50.0
0°-60°	6338.2	84.1
0°-90°	7538.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7538.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2960	2960	2960	2960	2960	
5°	2962	2953	2950	2948	2955	282
15°	2867	2857	2855	2852	2860	809
25°	2660	2655	2652	2647	2653	1227
35°	2352	2348	2338	2331	2341	1471
45°	1906	1892	1875	1866	1865	1463
55°	1270	1263	1252	1244	1244	1137
65°	715	717	716	706	712	717
75°	367	361	356	355	357	388
85°	85	87	88	88	84	105
90°	0	0	0	0	0	



TEST NUMBER: P738707

CATALOG NUMBER: 24PT-90-PR1-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2959.9	2959.9	2959.9	2959.9	2959.9
2.5°	2969.8	2959.9	2956.6	2954.9	2962.3
5°	2962.3	2953.2	2949.9	2948.3	2954.9
7.5°	2949.9	2939.2	2935.9	2934.2	2941.7
10°	2927.6	2917.7	2913.6	2913.6	2920.2
12.5°	2901.2	2892.9	2888.8	2885.5	2892.9
15°	2867.3	2857.4	2854.9	2851.6	2859.9
17.5°	2826.8	2816.9	2813.6	2811.9	2817.7
20°	2780.5	2768.2	2766.5	2765.7	2769.0
22.5°	2723.5	2716.9	2713.6	2712.0	2714.4
25°	2659.9	2654.9	2651.6	2646.7	2653.3
27.5°	2597.9	2591.3	2583.1	2578.9	2583.1
30°	2521.9	2513.6	2507.9	2506.2	2507.9
32.5°	2443.4	2435.1	2427.7	2426.9	2426.1
35°	2352.5	2347.6	2338.5	2331.0	2340.9
37.5°	2262.4	2250.9	2242.6	2233.5	2231.0
40°	2150.1	2145.9	2131.9	2123.6	2122.8
42.5°	2041.0	2022.0	2012.1	2006.3	1997.2
45°	1905.5	1892.3	1874.9	1865.8	1865.0
47.5°	1764.2	1747.7	1731.1	1718.7	1722.0
50°	1598.9	1591.5	1575.8	1565.0	1560.9
52.5°	1428.7	1427.0	1410.5	1403.9	1396.5
55°	1270.0	1263.4	1251.9	1243.6	1243.6
57.5°	1113.9	1108.1	1102.3	1086.6	1086.6
60°	965.1	964.3	954.4	945.3	944.5
62.5°	832.1	837.1	828.0	818.9	813.9
65°	714.8	717.2	715.6	706.5	711.5
67.5°	611.5	612.3	609.0	604.0	607.3
70°	520.6	524.7	518.9	515.6	511.5
72.5°	441.3	439.6	434.6	437.1	431.3
75°	366.9	361.1	356.1	355.3	357.0
77.5°	292.5	290.9	286.7	286.7	284.3
80°	219.8	218.1	215.7	216.5	215.7
82.5°	156.2	152.0	148.7	150.4	151.2
85°	85.1	86.8	87.6	87.6	84.3
87.5°	34.7	33.9	34.7	36.4	37.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)