

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: P738710

Luminaire Tested: **24PT-90-PR1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738710
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-L950
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

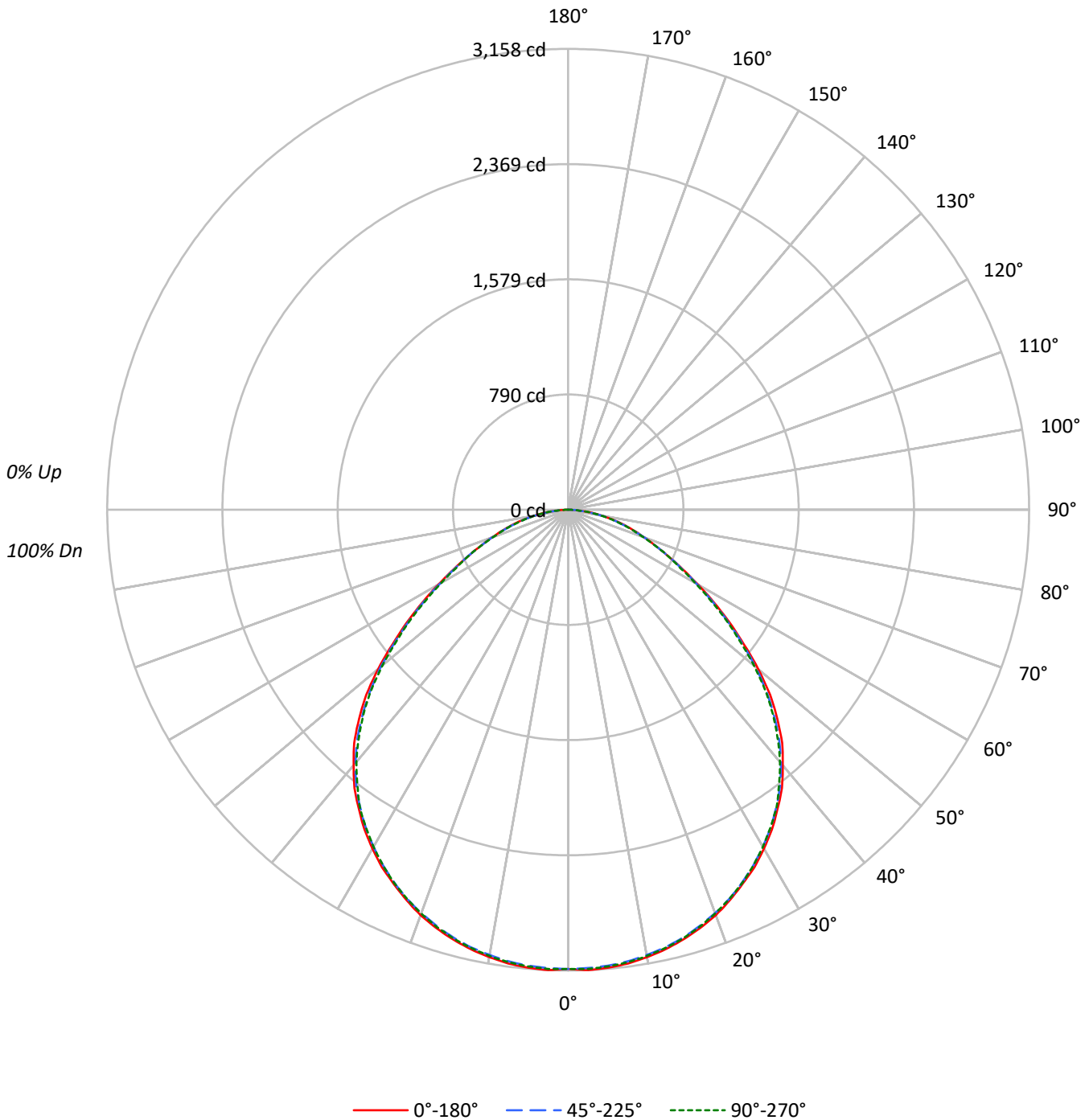
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8016.0 lumens
Efficiency: N/A
Efficacy: 105.9 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 (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	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°	4513	4513	4513
5°	4534	4515	4523
10°	4533	4511	4521
15°	4526	4507	4514
20°	4512	4489	4493
25°	4475	4461	4464
30°	4440	4416	4416
35°	4379	4353	4357
40°	4280	4243	4225
45°	4109	4043	4022
50°	3793	3738	3703
55°	3376	3328	3306
60°	2943	2910	2880
65°	2579	2582	2567
70°	2321	2313	2280
75°	2161	2098	2103
80°	1930	1893	1893
85°	1489	1532	1474



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.5	3.7
10°-20°	857.4	10.7
20°-30°	1299.9	16.2
30°-40°	1554.7	19.4
40°-50°	1535.0	19.1
50°-60°	1194.8	14.9
60°-70°	758.5	9.5
70°-80°	407.0	5.1
80°-90°	110.4	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°	2455.7	30.6
0°-40°	4010.4	50.0
0°-60°	6740.1	84.1
0°-90°	8016.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8016.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3148	3148	3148	3148	3148	
5°	3150	3140	3137	3135	3142	300
15°	3049	3039	3036	3032	3041	861
25°	2829	2823	2820	2814	2822	1305
35°	2502	2496	2487	2479	2489	1564
45°	2026	2012	1994	1984	1983	1556
55°	1351	1344	1331	1322	1322	1209
65°	760	763	761	751	757	763
75°	390	384	379	378	380	412
85°	90	92	93	93	90	112
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3147.5	3147.5	3147.5	3147.5	3147.5
2.5°	3158.1	3147.5	3144.0	3142.3	3150.2
5°	3150.2	3140.5	3137.0	3135.2	3142.3
7.5°	3137.0	3125.6	3122.1	3120.3	3128.2
10°	3113.3	3102.7	3098.3	3098.3	3105.4
12.5°	3085.2	3076.4	3072.0	3068.5	3076.4
15°	3049.1	3038.6	3036.0	3032.4	3041.2
17.5°	3006.1	2995.5	2992.0	2990.3	2996.4
20°	2956.9	2943.7	2941.9	2941.1	2944.6
22.5°	2896.2	2889.2	2885.7	2883.9	2886.6
25°	2828.6	2823.3	2819.8	2814.5	2821.5
27.5°	2762.7	2755.6	2746.9	2742.5	2746.9
30°	2681.8	2673.0	2666.9	2665.1	2666.9
32.5°	2598.4	2589.6	2581.7	2580.8	2579.9
35°	2501.7	2496.4	2486.8	2478.8	2489.4
37.5°	2405.9	2393.6	2384.8	2375.2	2372.5
40°	2286.4	2282.0	2267.1	2258.3	2257.4
42.5°	2170.4	2150.2	2139.7	2133.5	2123.8
45°	2026.3	2012.3	1993.8	1984.1	1983.3
47.5°	1876.1	1858.5	1840.9	1827.7	1831.2
50°	1700.3	1692.4	1675.7	1664.3	1659.9
52.5°	1519.3	1517.5	1500.0	1492.9	1485.0
55°	1350.6	1343.6	1331.2	1322.5	1322.5
57.5°	1184.5	1178.4	1172.2	1155.5	1155.5
60°	1026.3	1025.5	1014.9	1005.2	1004.4
62.5°	884.9	890.1	880.5	870.8	865.5
65°	760.1	762.7	761.0	751.3	756.6
67.5°	650.2	651.1	647.6	642.3	645.9
70°	553.6	558.0	551.8	548.3	543.9
72.5°	469.2	467.5	462.2	464.8	458.7
75°	390.1	384.0	378.7	377.8	379.6
77.5°	311.1	309.3	304.9	304.9	302.3
80°	233.7	232.0	229.3	230.2	229.3
82.5°	166.1	161.7	158.2	159.9	160.8
85°	90.5	92.3	93.1	93.1	89.6
87.5°	36.9	36.0	36.9	38.7	39.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)