

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: P738694

Luminaire Tested: **24PT-90-PC3-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738694
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-L950
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

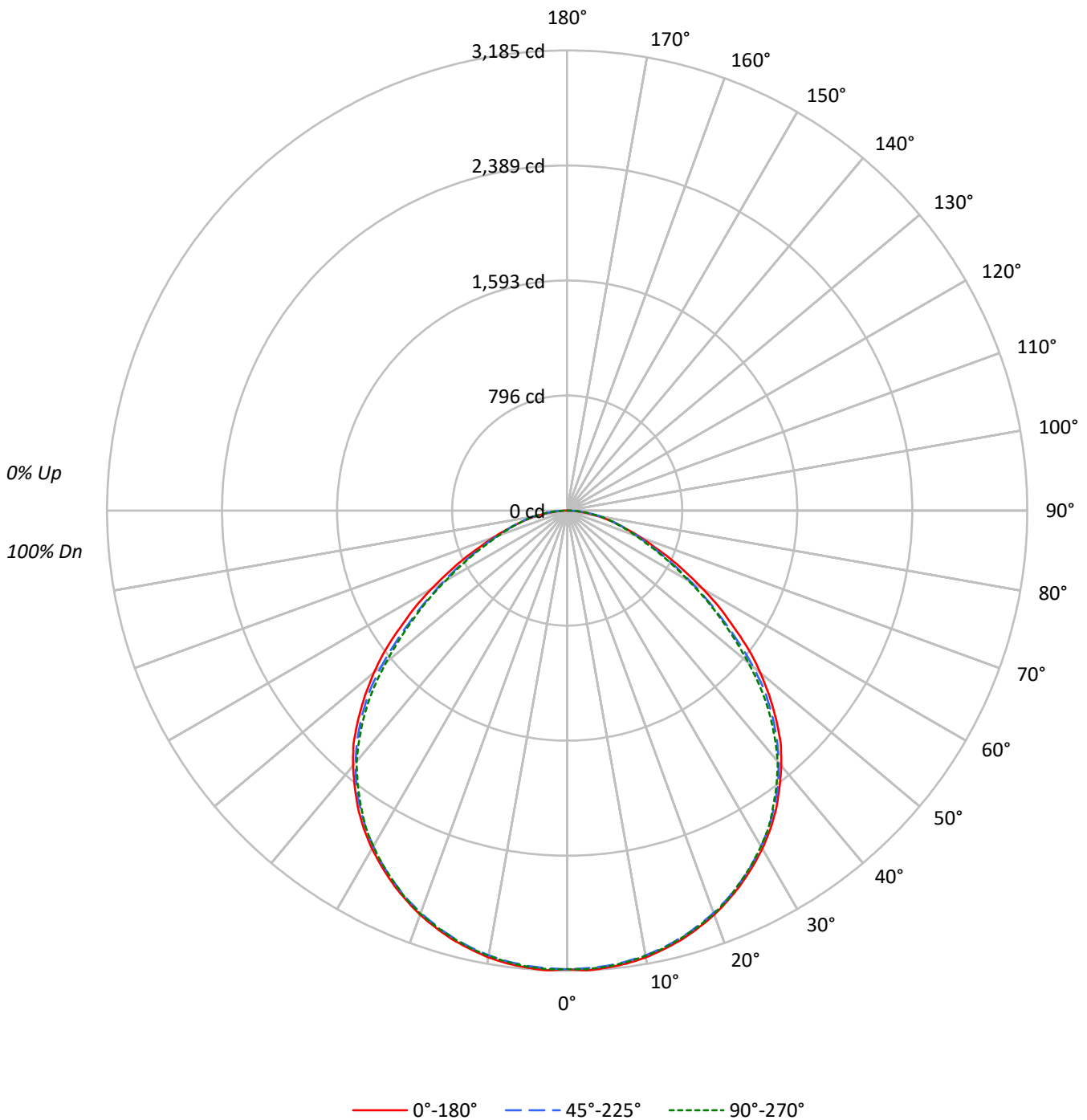
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8007.0 lumens
Efficiency: N/A
Efficacy: 105.8 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 (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: P738694
CATALOG NUMBER: 24PT-90-PC3-L950

Luminous Intensity Polar Plot





TEST NUMBER: P738694

CATALOG NUMBER: 24PT-90-PC3-L950

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°	4552	4552	4552
5°	4571	4552	4561
10°	4571	4551	4557
15°	4561	4540	4546
20°	4543	4521	4531
25°	4512	4489	4488
30°	4473	4444	4442
35°	4414	4378	4358
40°	4314	4263	4243
45°	4147	4070	4013
50°	3894	3744	3646
55°	3520	3282	3220
60°	3114	2840	2784
65°	2662	2461	2398
70°	2255	2159	2096
75°	1977	2012	1943
80°	1773	1955	1846
85°	1497	1788	1701



TEST NUMBER: P738694

CATALOG NUMBER: 24PT-90-PC3-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.0	3.8
10°-20°	863.9	10.8
20°-30°	1308.7	16.3
30°-40°	1563.1	19.5
40°-50°	1541.9	19.3
50°-60°	1193.7	14.9
60°-70°	733.7	9.2
70°-80°	384.4	4.8
80°-90°	116.5	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°	2473.6	30.9
0°-40°	4036.7	50.4
0°-60°	6772.3	84.6
0°-90°	8007.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8007.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3174	3174	3174	3174	3174	
5°	3176	3166	3163	3161	3169	302
15°	3073	3063	3059	3056	3062	867
25°	2852	2843	2838	2836	2837	1314
35°	2521	2510	2501	2493	2490	1574
45°	2045	2030	2007	1986	1979	1573
55°	1408	1370	1313	1293	1288	1264
65°	784	748	725	704	707	783
75°	357	360	363	356	351	385
85°	91	102	109	106	103	106
90°	0	0	0	0	0	



TEST NUMBER: P738694

CATALOG NUMBER: 24PT-90-PC3-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3174.3	3174.3	3174.3	3174.3	3174.3
2.5°	3184.9	3175.2	3170.8	3169.9	3177.0
5°	3176.1	3166.4	3162.8	3161.1	3169.0
7.5°	3161.9	3151.3	3147.8	3145.2	3152.2
10°	3139.8	3129.2	3125.7	3123.9	3130.1
12.5°	3108.0	3098.3	3095.7	3093.0	3101.0
15°	3072.7	3063.0	3058.6	3055.9	3062.1
17.5°	3026.8	3018.8	3013.5	3013.5	3018.8
20°	2977.3	2967.6	2963.2	2960.5	2969.3
22.5°	2916.3	2910.1	2904.8	2900.4	2910.1
25°	2851.8	2843.0	2837.7	2835.9	2836.8
27.5°	2778.5	2772.3	2765.3	2762.6	2764.4
30°	2701.6	2693.7	2684.0	2678.7	2683.1
32.5°	2616.0	2604.5	2596.5	2591.2	2597.4
35°	2521.4	2509.9	2501.1	2493.2	2489.6
37.5°	2413.6	2410.1	2397.7	2383.6	2382.7
40°	2305.0	2295.3	2277.6	2271.4	2267.0
42.5°	2188.4	2168.0	2149.5	2131.8	2125.6
45°	2045.2	2030.2	2007.2	1986.0	1979.0
47.5°	1898.6	1879.1	1857.1	1819.9	1815.5
50°	1745.7	1717.5	1678.6	1647.7	1634.4
52.5°	1586.7	1548.7	1494.8	1468.3	1461.3
55°	1408.2	1370.3	1312.8	1293.4	1288.1
57.5°	1249.2	1193.6	1146.7	1124.7	1131.7
60°	1085.8	1031.9	990.4	969.2	970.9
62.5°	925.9	883.5	852.5	832.2	834.9
65°	784.5	748.3	725.3	704.1	706.8
67.5°	645.8	629.0	612.2	599.9	592.8
70°	538.0	531.0	515.1	503.6	500.0
72.5°	440.0	444.4	431.1	427.6	426.7
75°	356.9	360.5	363.1	356.0	350.7
77.5°	285.4	290.7	301.3	291.5	289.8
80°	214.7	225.3	236.8	230.6	223.5
82.5°	150.2	163.4	174.0	166.1	162.6
85°	91.0	101.6	108.7	106.0	103.4
87.5°	40.6	44.2	47.7	48.6	46.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)