

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: P738693

Luminaire Tested: **24PT-90-PC3-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738693
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-L940
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

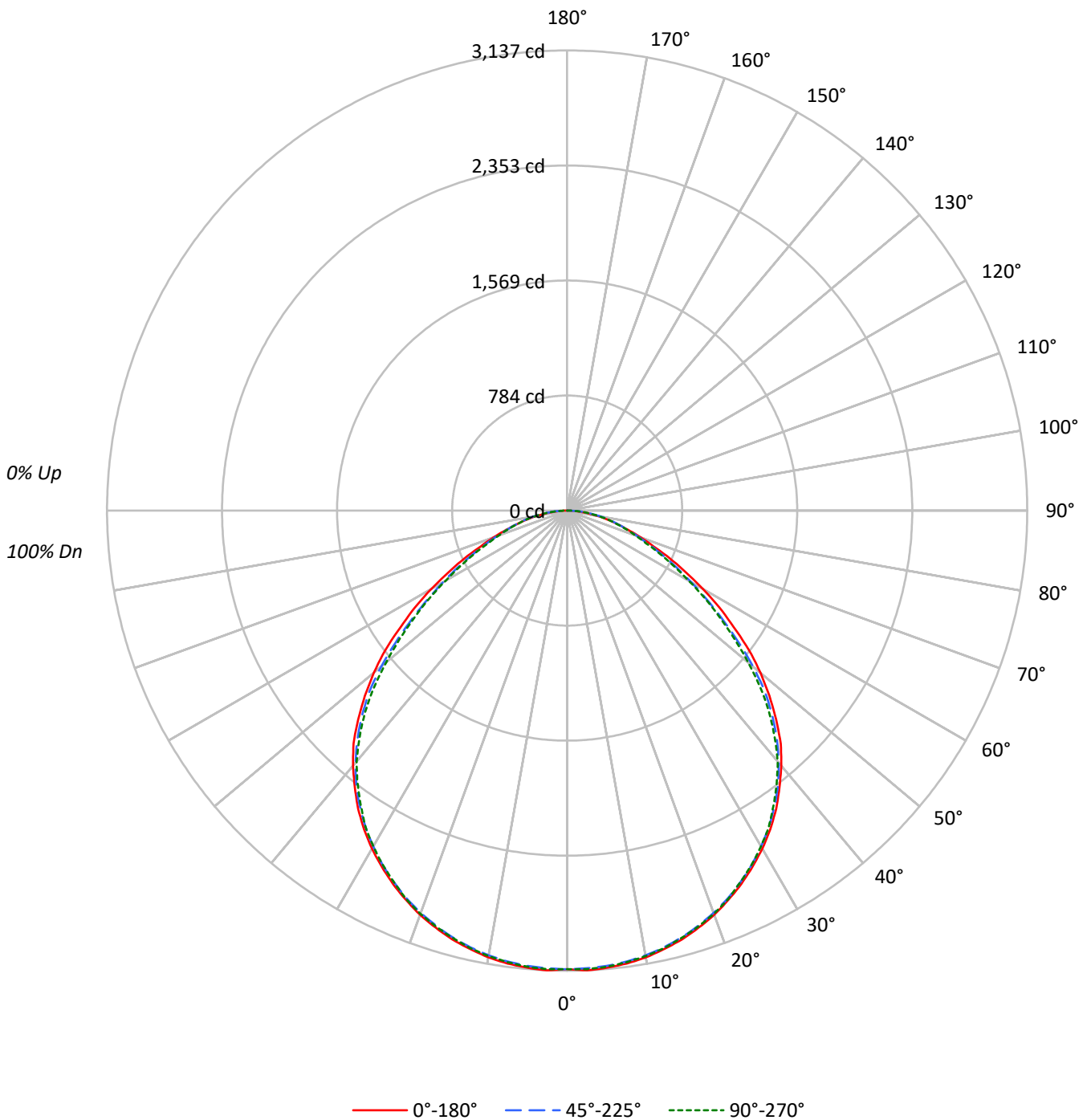
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7887.0 lumens
Efficiency: N/A
Efficacy: 104.2 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

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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	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°	4483	4483	4483
5°	4503	4484	4493
10°	4503	4483	4489
15°	4493	4472	4477
20°	4475	4454	4463
25°	4444	4422	4421
30°	4406	4377	4376
35°	4347	4312	4293
40°	4250	4199	4180
45°	4085	4009	3953
50°	3836	3688	3591
55°	3468	3233	3172
60°	3067	2797	2743
65°	2622	2424	2362
70°	2222	2127	2065
75°	1948	1982	1914
80°	1746	1926	1818
85°	1474	1760	1675



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.5	3.8
10°-20°	851.0	10.8
20°-30°	1289.1	16.3
30°-40°	1539.7	19.5
40°-50°	1518.9	19.3
50°-60°	1175.8	14.9
60°-70°	722.7	9.2
70°-80°	378.7	4.8
80°-90°	114.8	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°	2436.5	30.9
0°-40°	3976.2	50.4
0°-60°	6670.8	84.6
0°-90°	7887.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7887.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3127	3127	3127	3127	3127	
5°	3128	3119	3115	3114	3122	297
15°	3027	3017	3013	3010	3016	854
25°	2809	2800	2795	2793	2794	1294
35°	2484	2472	2464	2456	2452	1551
45°	2015	2000	1977	1956	1949	1550
55°	1387	1350	1293	1274	1269	1245
65°	773	737	714	694	696	771
75°	352	355	358	351	346	379
85°	90	100	107	104	102	104
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3126.7	3126.7	3126.7	3126.7	3126.7
2.5°	3137.2	3127.6	3123.3	3122.4	3129.3
5°	3128.5	3118.9	3115.4	3113.7	3121.5
7.5°	3114.5	3104.1	3100.6	3098.0	3105.0
10°	3092.8	3082.4	3078.9	3077.1	3083.2
12.5°	3061.5	3051.9	3049.3	3046.7	3054.5
15°	3026.7	3017.1	3012.7	3010.1	3016.2
17.5°	2981.4	2973.6	2968.4	2968.4	2973.6
20°	2932.7	2923.1	2918.7	2916.1	2924.8
22.5°	2872.6	2866.5	2861.3	2857.0	2866.5
25°	2809.1	2800.4	2795.2	2793.4	2794.3
27.5°	2736.9	2730.8	2723.8	2721.2	2722.9
30°	2661.2	2653.3	2643.8	2638.5	2642.9
32.5°	2576.7	2565.4	2557.6	2552.4	2558.5
35°	2483.6	2472.3	2463.6	2455.8	2452.3
37.5°	2377.5	2374.0	2361.8	2347.9	2347.0
40°	2270.4	2260.9	2243.4	2237.4	2233.0
42.5°	2155.6	2135.5	2117.3	2099.9	2093.8
45°	2014.6	1999.8	1977.2	1956.3	1949.3
47.5°	1870.1	1851.0	1829.2	1792.7	1788.3
50°	1719.6	1691.7	1653.4	1623.0	1609.9
52.5°	1562.9	1525.5	1472.4	1446.3	1439.4
55°	1387.1	1349.7	1293.2	1274.0	1268.8
57.5°	1230.5	1175.7	1129.6	1107.8	1114.8
60°	1069.5	1016.4	975.5	954.6	956.4
62.5°	912.0	870.2	839.8	819.8	822.4
65°	772.8	737.1	714.5	693.6	696.2
67.5°	636.1	619.6	603.1	590.9	583.9
70°	530.0	523.0	507.3	496.0	492.5
72.5°	433.4	437.7	424.7	421.2	420.3
75°	351.6	355.1	357.7	350.7	345.5
77.5°	281.1	286.3	296.7	287.2	285.4
80°	211.5	221.9	233.2	227.1	220.2
82.5°	147.9	161.0	171.4	163.6	160.1
85°	89.6	100.1	107.0	104.4	101.8
87.5°	40.0	43.5	47.0	47.9	46.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)