

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: P738677

Luminaire Tested: **24PT-80-PR1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738677
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-80-PR1-L940
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

Summary

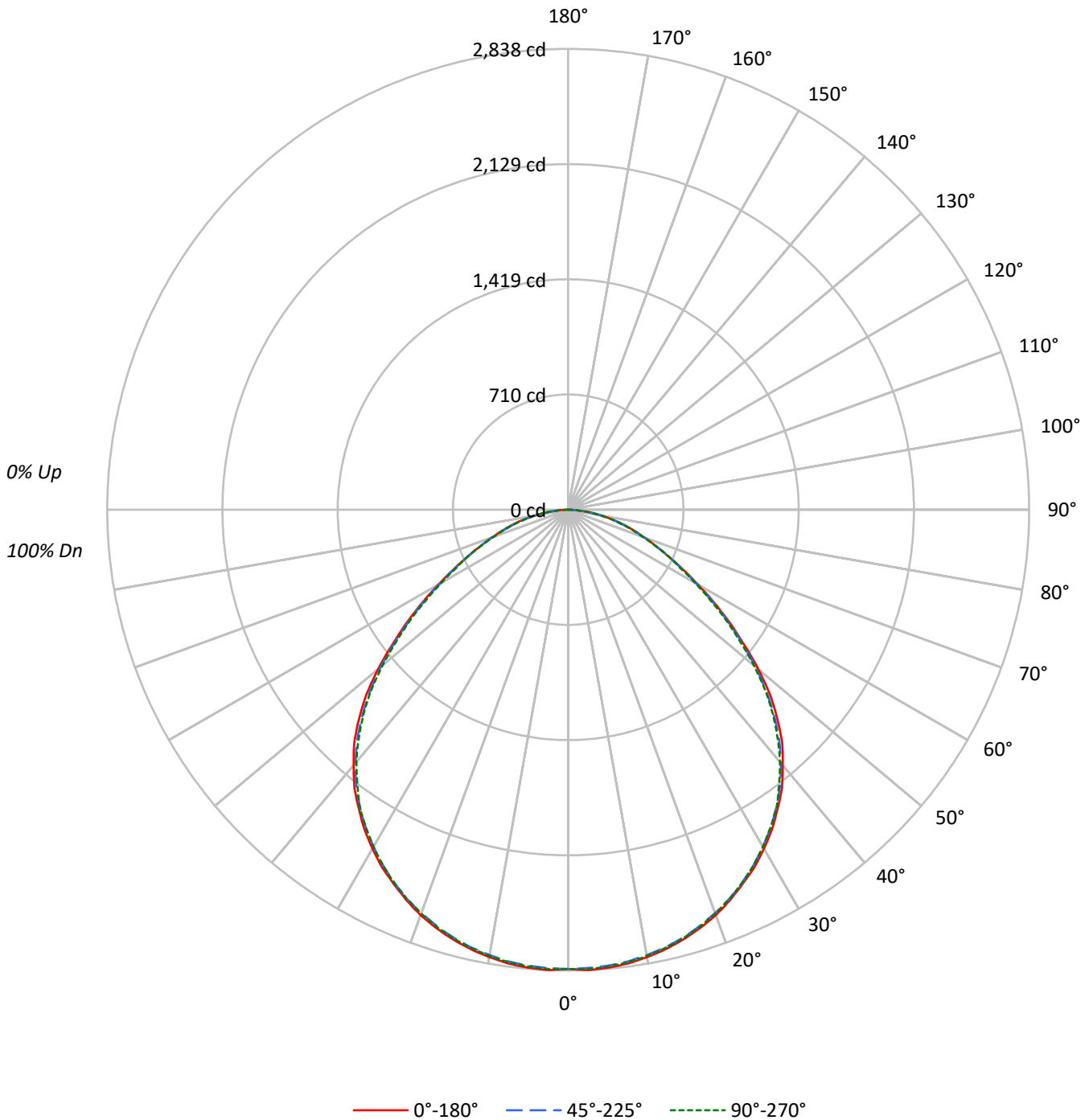
Lumens per Lamp: N/A
Luminaire Lumens: 7204.0 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 68.3
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	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°	4056	4056	4056
5°	4075	4058	4065
10°	4074	4054	4063
15°	4068	4050	4057
20°	4055	4034	4038
25°	4022	4009	4012
30°	3991	3968	3968
35°	3935	3912	3916
40°	3846	3814	3797
45°	3693	3633	3614
50°	3409	3359	3328
55°	3034	2991	2971
60°	2645	2616	2588
65°	2318	2320	2307
70°	2086	2079	2049
75°	1942	1886	1890
80°	1735	1702	1702
85°	1338	1377	1324



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.3	3.7
10°-20°	770.5	10.7
20°-30°	1168.2	16.2
30°-40°	1397.2	19.4
40°-50°	1379.5	19.1
50°-60°	1073.7	14.9
60°-70°	681.6	9.5
70°-80°	365.8	5.1
80°-90°	99.2	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°	2207.0	30.6
0°-40°	3604.1	50.0
0°-60°	6057.4	84.1
0°-90°	7204.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7204.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2829	2829	2829	2829	2829	
5°	2831	2822	2819	2818	2824	269
15°	2740	2731	2728	2725	2733	773
25°	2542	2537	2534	2529	2536	1173
35°	2248	2244	2235	2228	2237	1406
45°	1821	1808	1792	1783	1782	1398
55°	1214	1208	1196	1188	1188	1087
65°	683	686	684	675	680	685
75°	351	345	340	340	341	371
85°	81	83	84	84	80	100
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2828.7	2828.7	2828.7	2828.7	2828.7
2.5°	2838.2	2828.7	2825.6	2824.0	2831.1
5°	2831.1	2822.4	2819.2	2817.7	2824.0
7.5°	2819.2	2809.0	2805.8	2804.2	2811.3
10°	2797.9	2788.4	2784.5	2784.5	2790.8
12.5°	2772.6	2764.7	2760.8	2757.6	2764.7
15°	2740.3	2730.8	2728.4	2725.3	2733.2
17.5°	2701.6	2692.1	2688.9	2687.4	2692.9
20°	2657.3	2645.5	2643.9	2643.1	2646.3
22.5°	2602.9	2596.5	2593.4	2591.8	2594.2
25°	2542.0	2537.3	2534.2	2529.4	2535.7
27.5°	2482.8	2476.5	2468.6	2464.7	2468.6
30°	2410.2	2402.3	2396.7	2395.2	2396.7
32.5°	2335.1	2327.3	2320.1	2319.4	2318.6
35°	2248.3	2243.5	2234.9	2227.7	2237.2
37.5°	2162.2	2151.1	2143.2	2134.6	2132.2
40°	2054.8	2050.9	2037.4	2029.5	2028.7
42.5°	1950.6	1932.4	1922.9	1917.4	1908.7
45°	1821.1	1808.4	1791.8	1783.1	1782.4
47.5°	1686.0	1670.2	1654.4	1642.6	1645.7
50°	1528.1	1521.0	1506.0	1495.7	1491.7
52.5°	1365.4	1363.8	1348.0	1341.7	1334.6
55°	1213.8	1207.5	1196.4	1188.5	1188.5
57.5°	1064.5	1059.0	1053.5	1038.5	1038.5
60°	922.4	921.6	912.1	903.4	902.6
62.5°	795.2	800.0	791.3	782.6	777.9
65°	683.1	685.5	683.9	675.2	679.9
67.5°	584.4	585.2	582.0	577.3	580.4
70°	497.5	501.5	495.9	492.8	488.8
72.5°	421.7	420.1	415.4	417.8	412.2
75°	350.6	345.1	340.4	339.6	341.2
77.5°	279.6	278.0	274.0	274.0	271.7
80°	210.1	208.5	206.1	206.9	206.1
82.5°	149.3	145.3	142.1	143.7	144.5
85°	81.3	82.9	83.7	83.7	80.5
87.5°	33.2	32.4	33.2	34.7	35.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)