

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: P738601

Luminaire Tested: **24PT-60-PL1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738601
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-60-PL1-L840
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

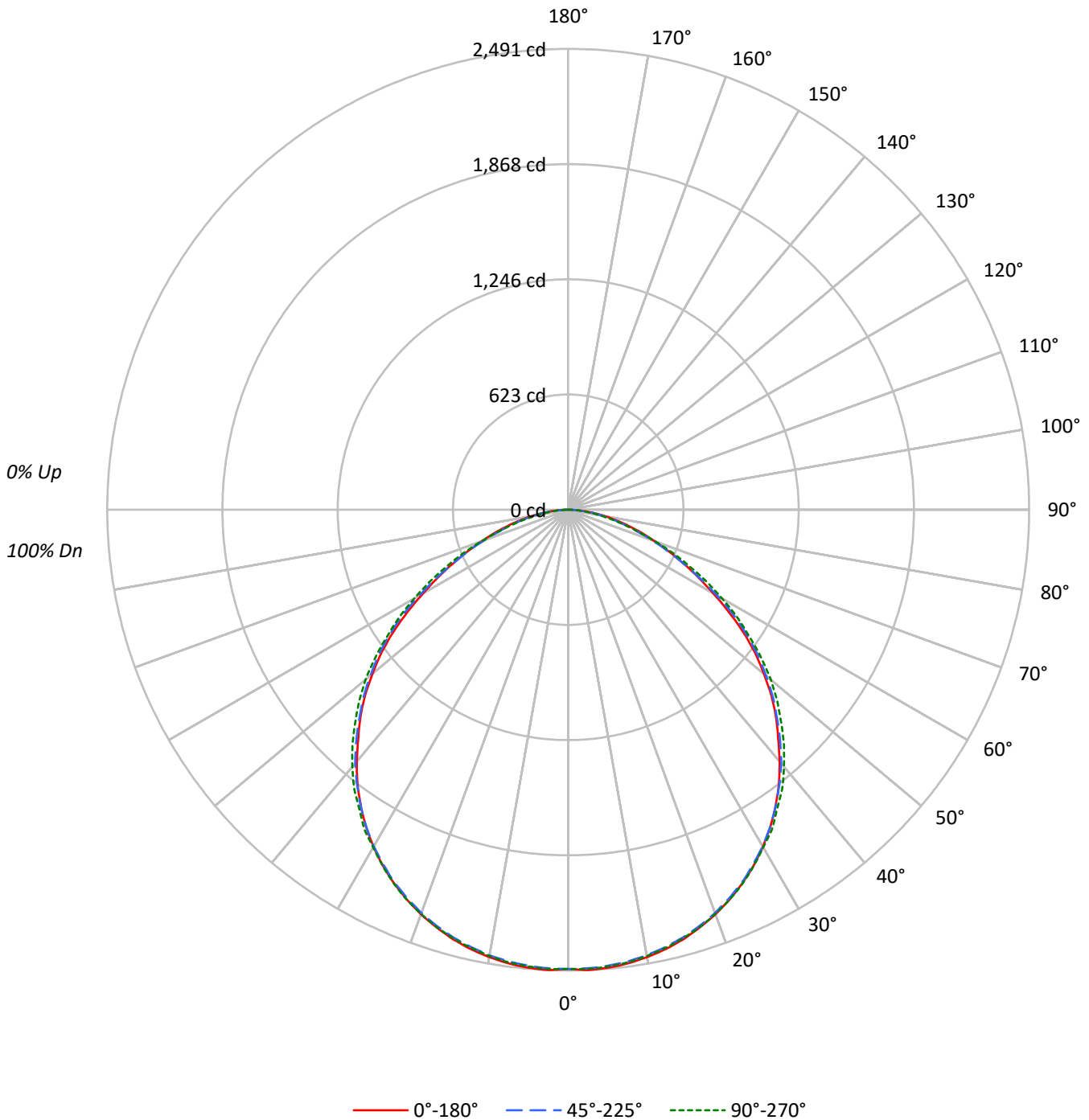
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6571.0 lumens
Efficiency: N/A
Efficacy: 129.6 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): 50.7
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49		60	53	48		58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	29
10	54	41	33	28	53	40	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3560	3560	3560
5°	3577	3562	3567
10°	3575	3560	3567
15°	3569	3554	3561
20°	3551	3540	3548
25°	3525	3517	3528
30°	3483	3478	3490
35°	3420	3421	3447
40°	3326	3351	3397
45°	3222	3237	3300
50°	3078	3113	3188
55°	2890	2943	2988
60°	2595	2658	2756
65°	2322	2326	2452
70°	2070	2013	2085
75°	1870	1759	1727
80°	1661	1550	1367
85°	1362	1291	1068



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.5	3.6
10°-20°	676.1	10.3
20°-30°	1024.4	15.6
30°-40°	1224.2	18.6
40°-50°	1234.9	18.8
50°-60°	1047.7	15.9
60°-70°	693.2	10.5
70°-80°	344.0	5.2
80°-90°	91.0	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°	1936.0	29.5
0°-40°	3160.2	48.1
0°-60°	5442.8	82.8
0°-90°	6571.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6571.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2482	2482	2482	2482	2482	
5°	2485	2477	2475	2473	2478	236
15°	2404	2396	2394	2394	2399	678
25°	2228	2223	2223	2222	2230	1026
35°	1954	1951	1954	1965	1969	1221
45°	1589	1587	1596	1618	1628	1223
55°	1156	1159	1177	1188	1195	1028
65°	684	683	686	707	723	683
75°	338	328	318	308	312	361
85°	83	83	78	72	65	98
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2482.5	2482.5	2482.5	2482.5	2482.5
2.5°	2491.1	2483.2	2481.1	2479.6	2485.4
5°	2485.4	2476.8	2474.6	2473.2	2478.2
7.5°	2473.9	2464.7	2463.2	2461.8	2468.2
10°	2455.4	2446.8	2445.4	2444.0	2449.7
12.5°	2433.3	2424.7	2421.8	2422.6	2426.1
15°	2404.0	2396.2	2394.0	2394.0	2399.0
17.5°	2367.6	2360.5	2359.0	2358.3	2364.8
20°	2326.9	2319.8	2319.8	2321.9	2325.5
22.5°	2280.6	2275.6	2272.7	2274.1	2281.3
25°	2227.8	2222.8	2222.8	2222.0	2229.9
27.5°	2169.2	2162.8	2162.8	2168.5	2171.4
30°	2103.6	2097.9	2100.7	2105.0	2107.9
32.5°	2032.9	2029.4	2031.5	2037.9	2049.4
35°	1953.7	1950.9	1954.5	1965.2	1969.4
37.5°	1871.0	1868.8	1873.8	1888.1	1900.2
40°	1776.8	1776.8	1790.3	1803.2	1814.6
42.5°	1679.0	1685.4	1695.4	1715.4	1725.4
45°	1589.1	1587.0	1596.2	1617.7	1627.6
47.5°	1489.2	1487.1	1500.6	1515.6	1532.0
50°	1380.0	1379.3	1395.7	1408.6	1429.3
52.5°	1273.7	1280.1	1290.8	1302.3	1314.4
55°	1156.0	1158.8	1177.4	1188.1	1195.2
57.5°	1029.0	1038.2	1061.1	1076.8	1083.2
60°	904.8	910.5	926.9	954.8	961.2
62.5°	792.1	794.2	804.2	835.6	844.1
65°	684.3	682.9	685.7	707.1	722.8
67.5°	586.6	580.8	580.8	592.3	611.5
70°	493.8	485.2	480.2	483.8	497.4
72.5°	416.0	404.6	391.7	389.6	398.2
75°	337.5	328.2	317.5	307.5	311.8
77.5°	269.0	261.2	251.2	239.8	234.0
80°	201.2	198.4	187.7	177.0	165.5
82.5°	140.6	138.4	131.3	122.7	115.6
85°	82.8	82.8	78.5	72.1	64.9
87.5°	37.1	35.7	37.1	31.4	29.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)