

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: P738637

Luminaire Tested: **24PT-72-PL1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738637
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-72-PL1-L940
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

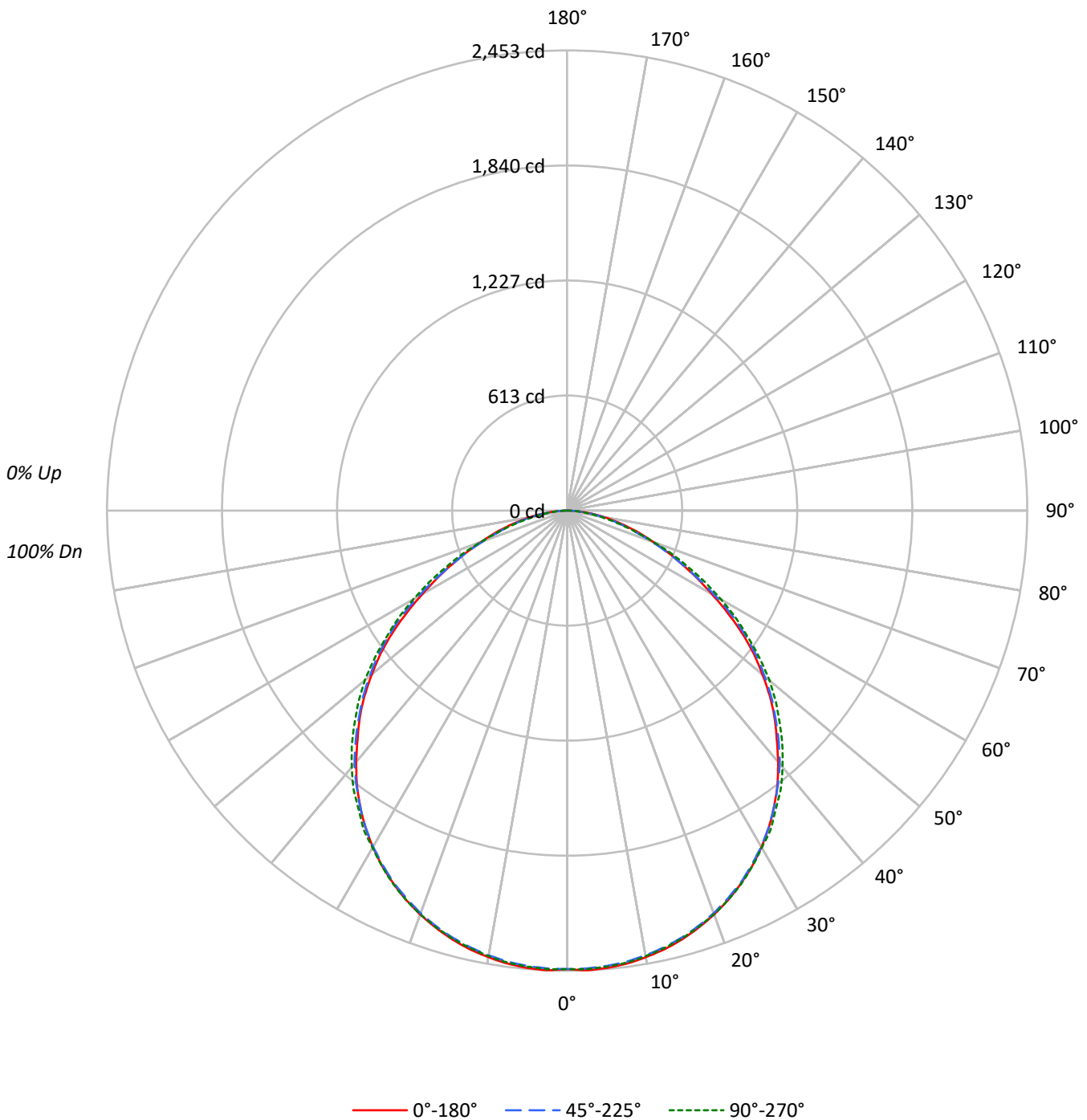
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6470.0 lumens
Efficiency: N/A
Efficacy: 107.7 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): 60.1
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°	3505	3505	3505
5°	3522	3507	3512
10°	3520	3506	3512
15°	3514	3499	3506
20°	3496	3485	3494
25°	3470	3463	3474
30°	3429	3425	3436
35°	3367	3369	3394
40°	3275	3300	3344
45°	3173	3187	3250
50°	3031	3066	3139
55°	2845	2898	2942
60°	2555	2617	2714
65°	2286	2291	2415
70°	2038	1982	2053
75°	1841	1732	1701
80°	1636	1526	1346
85°	1341	1272	1051



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.9	3.6
10°-20°	665.7	10.3
20°-30°	1008.6	15.6
30°-40°	1205.4	18.6
40°-50°	1215.9	18.8
50°-60°	1031.6	15.9
60°-70°	682.6	10.5
70°-80°	338.7	5.2
80°-90°	89.6	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°	1906.2	29.5
0°-40°	3111.6	48.1
0°-60°	5359.1	82.8
0°-90°	6470.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6470.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2444	2444	2444	2444	2444	
5°	2447	2439	2437	2435	2440	233
15°	2367	2359	2357	2357	2362	668
25°	2194	2189	2189	2188	2196	1010
35°	1924	1921	1924	1935	1939	1202
45°	1565	1563	1572	1593	1603	1204
55°	1138	1141	1159	1170	1177	1012
65°	674	672	675	696	712	672
75°	332	323	313	303	307	356
85°	82	82	77	71	64	97
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2444.3	2444.3	2444.3	2444.3	2444.3
2.5°	2452.8	2445.0	2442.9	2441.5	2447.1
5°	2447.1	2438.7	2436.6	2435.2	2440.1
7.5°	2435.9	2426.8	2425.4	2424.0	2430.3
10°	2417.6	2409.2	2407.8	2406.4	2412.0
12.5°	2395.9	2387.4	2384.6	2385.3	2388.8
15°	2367.1	2359.3	2357.2	2357.2	2362.1
17.5°	2331.2	2324.2	2322.8	2322.1	2328.4
20°	2291.2	2284.1	2284.1	2286.3	2289.8
22.5°	2245.5	2240.6	2237.8	2239.2	2246.2
25°	2193.5	2188.6	2188.6	2187.9	2195.6
27.5°	2135.9	2129.6	2129.6	2135.2	2138.0
30°	2071.3	2065.6	2068.4	2072.7	2075.5
32.5°	2001.7	1998.2	2000.3	2006.6	2017.9
35°	1923.7	1920.9	1924.4	1935.0	1939.2
37.5°	1842.2	1840.1	1845.0	1859.1	1871.0
40°	1749.5	1749.5	1762.8	1775.5	1786.7
42.5°	1653.2	1659.5	1669.4	1689.0	1698.9
45°	1564.7	1562.6	1571.7	1592.8	1602.6
47.5°	1466.3	1464.2	1477.6	1492.3	1508.5
50°	1358.8	1358.1	1374.3	1386.9	1407.3
52.5°	1254.1	1260.5	1271.0	1282.2	1294.2
55°	1138.2	1141.0	1159.3	1169.8	1176.9
57.5°	1013.1	1022.3	1044.8	1060.2	1066.5
60°	890.9	896.5	912.7	940.1	946.4
62.5°	779.9	782.0	791.8	822.7	831.2
65°	673.8	672.4	675.2	696.3	711.7
67.5°	577.5	571.9	571.9	583.2	602.1
70°	486.2	477.8	472.8	476.4	489.7
72.5°	409.6	398.4	385.7	383.6	392.0
75°	332.3	323.2	312.7	302.8	307.0
77.5°	264.9	257.2	247.3	236.1	230.5
80°	198.1	195.3	184.8	174.2	163.0
82.5°	138.4	136.3	129.3	120.8	113.8
85°	81.5	81.5	77.3	71.0	63.9
87.5°	36.5	35.1	36.5	30.9	28.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)