

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: P738603

Luminaire Tested: **24PT-60-PL1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738603
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-L930
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

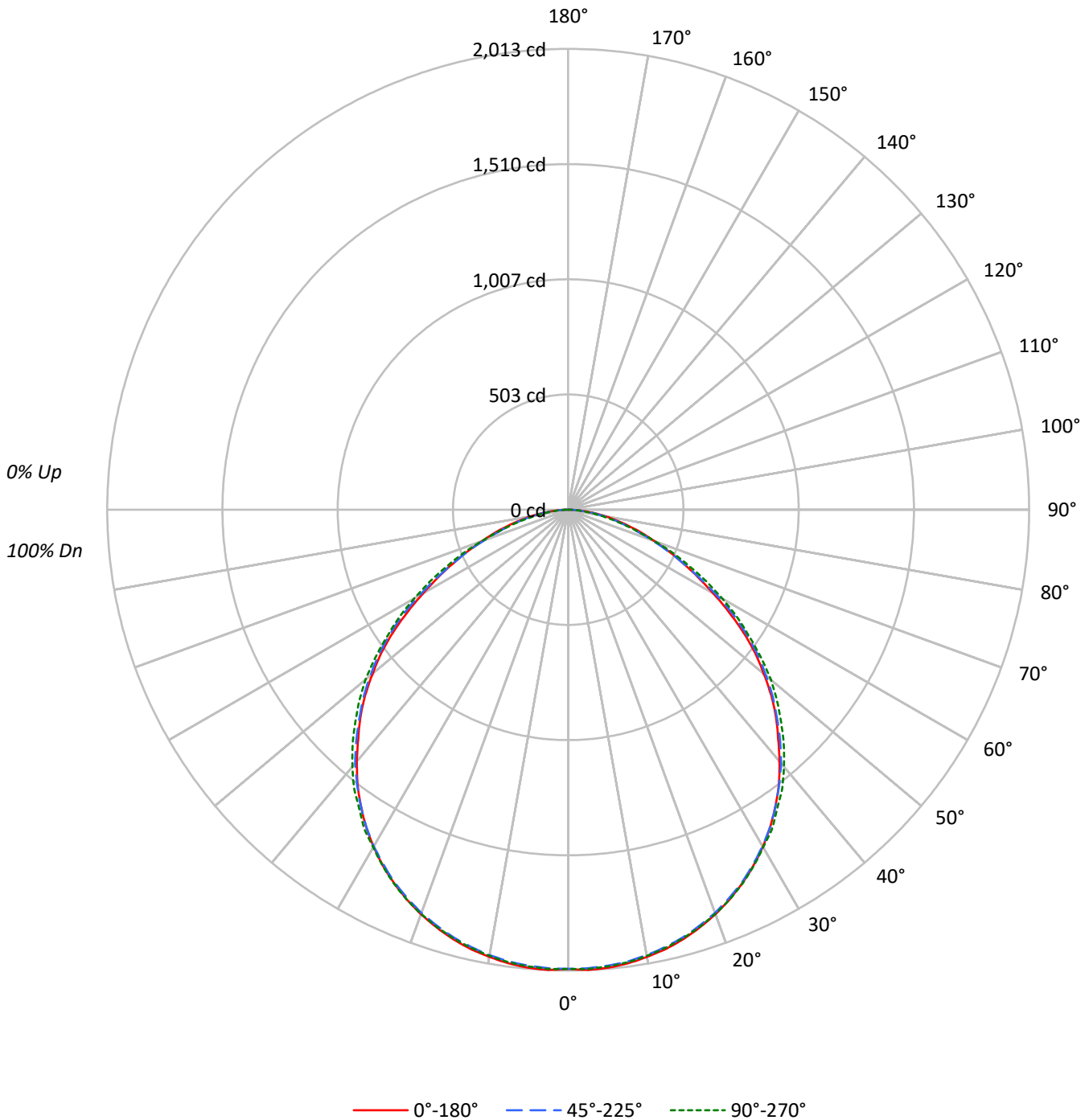
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5309.0 lumens
Efficiency: N/A
Efficacy: 104.7 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): 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°	2876	2876	2876
5°	2890	2878	2882
10°	2888	2877	2882
15°	2883	2871	2877
20°	2869	2860	2867
25°	2848	2841	2850
30°	2814	2810	2820
35°	2763	2764	2785
40°	2687	2708	2744
45°	2603	2615	2667
50°	2487	2516	2576
55°	2335	2378	2414
60°	2096	2148	2227
65°	1876	1880	1981
70°	1673	1627	1684
75°	1511	1422	1396
80°	1343	1252	1105
85°	1101	1043	864



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.3	3.6
10°-20°	546.3	10.3
20°-30°	827.6	15.6
30°-40°	989.1	18.6
40°-50°	997.7	18.8
50°-60°	846.5	15.9
60°-70°	560.1	10.5
70°-80°	277.9	5.2
80°-90°	73.5	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°	1564.2	29.5
0°-40°	2553.2	48.1
0°-60°	4397.5	82.8
0°-90°	5309.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5309.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2006	2006	2006	2006	2006	
5°	2008	2001	1999	1998	2002	191
15°	1942	1936	1934	1934	1938	548
25°	1800	1796	1796	1795	1802	829
35°	1578	1576	1579	1588	1591	986
45°	1284	1282	1290	1307	1315	988
55°	934	936	951	960	966	830
65°	553	552	554	571	584	552
75°	273	265	257	248	252	292
85°	67	67	63	58	52	79
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2005.7	2005.7	2005.7	2005.7	2005.7
2.5°	2012.6	2006.3	2004.6	2003.4	2008.0
5°	2008.0	2001.1	1999.4	1998.2	2002.3
7.5°	1998.8	1991.3	1990.2	1989.0	1994.2
10°	1983.8	1976.9	1975.7	1974.6	1979.2
12.5°	1965.9	1959.0	1956.7	1957.3	1960.2
15°	1942.3	1936.0	1934.2	1934.2	1938.3
17.5°	1912.9	1907.1	1906.0	1905.4	1910.6
20°	1880.0	1874.3	1874.3	1876.0	1878.9
22.5°	1842.6	1838.5	1836.2	1837.4	1843.1
25°	1799.9	1795.9	1795.9	1795.3	1801.6
27.5°	1752.6	1747.4	1747.4	1752.0	1754.4
30°	1699.6	1695.0	1697.3	1700.7	1703.0
32.5°	1642.5	1639.6	1641.4	1646.5	1655.8
35°	1578.5	1576.2	1579.1	1587.7	1591.2
37.5°	1511.6	1509.9	1513.9	1525.5	1535.3
40°	1435.5	1435.5	1446.5	1456.9	1466.1
42.5°	1356.6	1361.7	1369.8	1386.0	1394.0
45°	1283.9	1282.2	1289.7	1307.0	1315.0
47.5°	1203.2	1201.5	1212.4	1224.5	1237.8
50°	1115.0	1114.4	1127.7	1138.1	1154.8
52.5°	1029.1	1034.3	1042.9	1052.2	1062.0
55°	934.0	936.3	951.3	959.9	965.7
57.5°	831.3	838.8	857.3	870.0	875.2
60°	731.0	735.6	748.9	771.4	776.6
62.5°	639.9	641.7	649.7	675.1	682.0
65°	552.9	551.7	554.0	571.3	584.0
67.5°	473.9	469.3	469.3	478.5	494.1
70°	399.0	392.0	388.0	390.9	401.8
72.5°	336.1	326.9	316.5	314.8	321.7
75°	272.7	265.2	256.6	248.5	251.9
77.5°	217.3	211.0	202.9	193.7	189.1
80°	162.6	160.3	151.6	143.0	133.8
82.5°	113.6	111.8	106.1	99.2	93.4
85°	66.9	66.9	63.4	58.2	52.5
87.5°	30.0	28.8	30.0	25.4	23.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)