

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: P738310

Luminaire Tested: **22PT-60-PR1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738310
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506224)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-60-PR1-L950
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

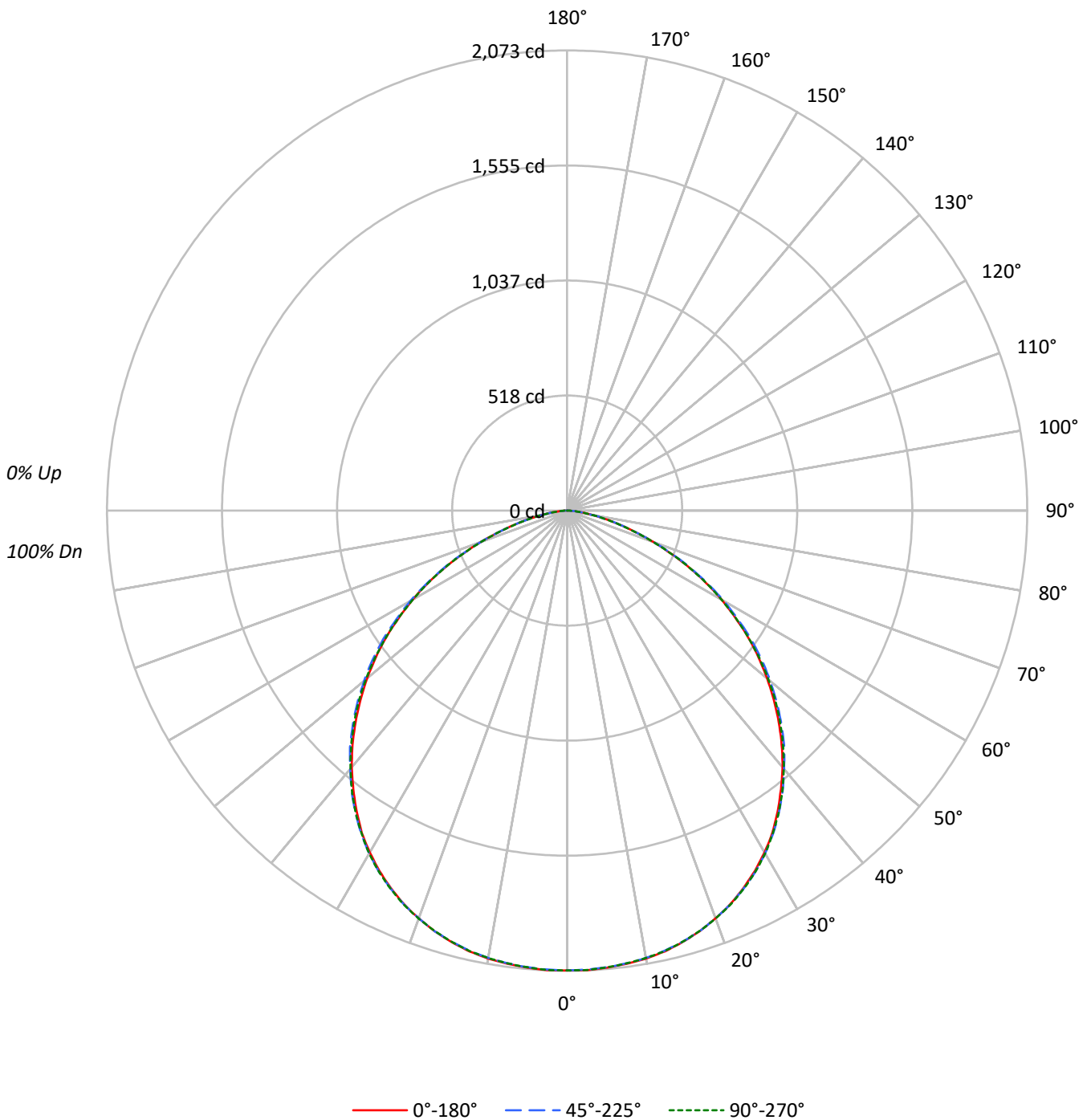
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5535.0 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 51.8
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	88	85
2	100	92	86	80	98	90	85	80	87	82	78		84	80	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56		66	60	56		64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49		60	53	48		58	52	48	46
6	71	58	50	43	70	58	49	43	56	48	43		54	48	43		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	36
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	31		41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6069	6069	6069
5°	6078	6074	6074
10°	6097	6089	6089
15°	6105	6099	6101
20°	6096	6094	6099
25°	6071	6077	6082
30°	6016	6034	6037
35°	5914	5947	5944
40°	5776	5815	5808
45°	5586	5658	5629
50°	5360	5442	5398
55°	5088	5169	5095
60°	4716	4781	4700
65°	4208	4251	4203
70°	3540	3540	3517
75°	2774	2774	2743
80°	2032	2008	1998
85°	1325	1325	1351



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.5	3.6
10°-20°	567.6	10.3
20°-30°	865.9	15.6
30°-40°	1037.7	18.7
40°-50°	1048.0	18.9
50°-60°	896.7	16.2
60°-70°	604.7	10.9
70°-80°	266.8	4.8
80°-90°	51.2	0.9
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°	1630.0	29.4
0°-40°	2667.7	48.2
0°-60°	4612.4	83.3
0°-90°	5535.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5535.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2071	2071	2071	2071	2071	
5°	2066	2064	2065	2064	2065	197
15°	2012	2012	2010	2010	2011	568
25°	1878	1880	1880	1880	1881	865
35°	1653	1663	1662	1661	1662	1033
45°	1348	1358	1366	1363	1358	1039
55°	996	1005	1012	1010	997	887
65°	607	612	613	612	606	600
75°	245	246	245	246	242	267
85°	39	39	39	40	40	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2071.4	2071.4	2071.4	2071.4	2071.4
2.5°	2072.8	2070.0	2069.2	2068.7	2071.4
5°	2066.5	2063.8	2065.1	2063.8	2065.1
7.5°	2058.9	2056.2	2057.0	2055.4	2057.0
10°	2049.3	2046.4	2046.4	2045.1	2046.4
12.5°	2033.9	2032.0	2031.2	2029.8	2032.0
15°	2012.5	2011.9	2010.5	2009.7	2011.1
17.5°	1986.3	1985.0	1986.3	1984.2	1985.5
20°	1955.1	1955.9	1954.5	1955.1	1955.9
22.5°	1919.8	1919.8	1920.6	1920.6	1921.9
25°	1877.7	1879.6	1879.6	1879.6	1881.2
27.5°	1830.6	1833.4	1835.3	1834.0	1835.3
30°	1778.0	1782.8	1783.4	1782.8	1784.2
32.5°	1721.2	1724.7	1726.6	1725.3	1723.9
35°	1653.3	1663.0	1662.5	1660.9	1661.7
37.5°	1582.1	1591.8	1595.1	1592.4	1593.2
40°	1510.1	1518.5	1520.4	1521.2	1518.5
42.5°	1430.5	1440.2	1447.8	1444.3	1440.2
45°	1348.1	1358.5	1365.5	1363.4	1358.5
47.5°	1263.1	1272.6	1282.4	1278.9	1274.2
50°	1175.9	1185.4	1193.8	1192.5	1184.1
52.5°	1086.5	1097.6	1105.2	1102.5	1091.4
55°	996.0	1005.0	1011.8	1010.4	997.4
57.5°	897.7	909.4	912.9	910.7	901.2
60°	804.8	812.6	815.9	813.2	802.1
62.5°	705.9	712.1	714.9	714.3	706.7
65°	607.0	611.8	613.2	611.8	606.2
67.5°	505.3	512.1	512.9	512.9	507.3
70°	413.2	415.2	413.2	418.7	410.5
72.5°	323.9	325.2	323.9	323.9	320.4
75°	245.0	245.6	245.0	245.6	242.3
77.5°	177.2	178.5	175.8	177.9	174.4
80°	120.4	120.4	119.0	119.8	118.4
82.5°	74.7	76.1	74.1	74.1	73.4
85°	39.4	39.4	39.4	40.2	40.2
87.5°	13.9	13.9	14.4	14.4	13.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)