

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: P738614

Luminaire Tested: **24PT-60-PR1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738614
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-60-PR1-L950
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

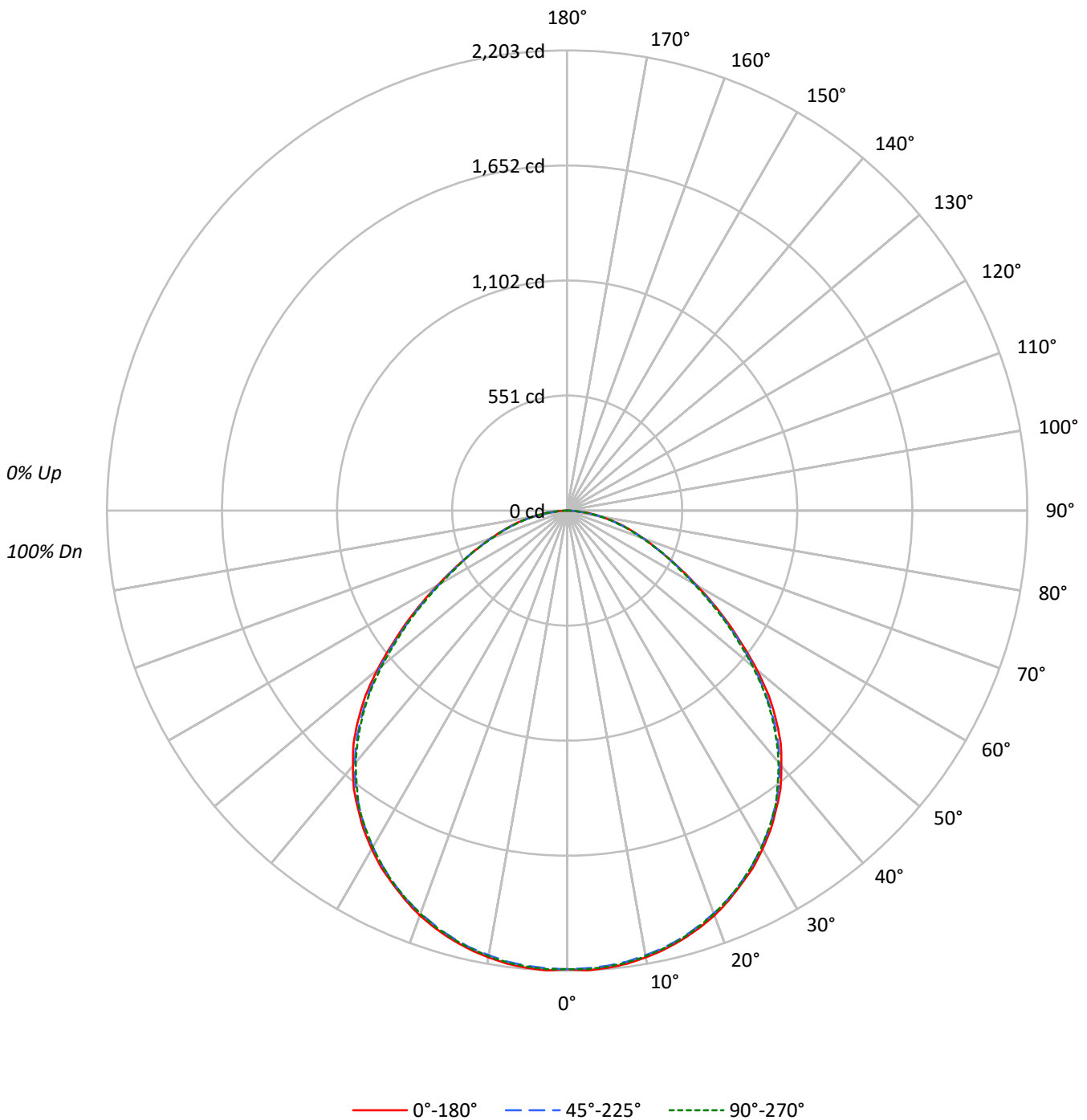
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5592.0 lumens
Efficiency: N/A
Efficacy: 110.3 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	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°	3148	3148	3148
5°	3163	3150	3155
10°	3162	3147	3154
15°	3158	3144	3149
20°	3147	3132	3134
25°	3122	3112	3114
30°	3098	3080	3080
35°	3055	3037	3040
40°	2985	2960	2948
45°	2866	2820	2805
50°	2646	2608	2583
55°	2355	2322	2306
60°	2053	2030	2009
65°	1799	1801	1791
70°	1619	1614	1591
75°	1508	1464	1467
80°	1347	1321	1321
85°	1038	1069	1028



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.2	3.7
10°-20°	598.1	10.7
20°-30°	906.8	16.2
30°-40°	1084.5	19.4
40°-50°	1070.8	19.1
50°-60°	833.5	14.9
60°-70°	529.1	9.5
70°-80°	284.0	5.1
80°-90°	77.0	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°	1713.1	30.6
0°-40°	2797.7	50.0
0°-60°	4701.9	84.1
0°-90°	5592.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5592.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2196	2196	2196	2196	2196	
5°	2198	2191	2188	2187	2192	209
15°	2127	2120	2118	2115	2122	600
25°	1973	1970	1967	1963	1968	910
35°	1745	1742	1735	1729	1737	1091
45°	1414	1404	1391	1384	1384	1085
55°	942	937	929	923	923	844
65°	530	532	531	524	528	532
75°	272	268	264	264	265	288
85°	63	64	65	65	62	78
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2195.7	2195.7	2195.7	2195.7	2195.7
2.5°	2203.1	2195.7	2193.3	2192.1	2197.6
5°	2197.6	2190.8	2188.4	2187.2	2192.1
7.5°	2188.4	2180.4	2178.0	2176.7	2182.3
10°	2171.8	2164.5	2161.4	2161.4	2166.3
12.5°	2152.2	2146.1	2143.0	2140.6	2146.1
15°	2127.1	2119.7	2117.9	2115.4	2121.6
17.5°	2097.1	2089.7	2087.2	2086.0	2090.3
20°	2062.7	2053.5	2052.3	2051.7	2054.1
22.5°	2020.4	2015.5	2013.1	2011.8	2013.7
25°	1973.2	1969.6	1967.1	1963.4	1968.3
27.5°	1927.3	1922.3	1916.2	1913.2	1916.2
30°	1870.9	1864.7	1860.4	1859.2	1860.4
32.5°	1812.6	1806.5	1801.0	1800.4	1799.8
35°	1745.2	1741.5	1734.8	1729.3	1736.6
37.5°	1678.4	1669.8	1663.7	1656.9	1655.1
40°	1595.0	1591.9	1581.5	1575.4	1574.8
42.5°	1514.1	1500.0	1492.6	1488.3	1481.6
45°	1413.6	1403.8	1390.9	1384.1	1383.5
47.5°	1308.7	1296.5	1284.2	1275.0	1277.5
50°	1186.1	1180.6	1169.0	1161.0	1157.9
52.5°	1059.9	1058.6	1046.4	1041.5	1036.0
55°	942.2	937.3	928.7	922.6	922.6
57.5°	826.3	822.0	817.7	806.1	806.1
60°	716.0	715.4	708.0	701.3	700.7
62.5°	617.3	621.0	614.2	607.5	603.8
65°	530.2	532.1	530.9	524.1	527.8
67.5°	453.6	454.2	451.8	448.1	450.6
70°	386.2	389.3	385.0	382.5	379.4
72.5°	327.3	326.1	322.4	324.3	320.0
75°	272.2	267.9	264.2	263.6	264.8
77.5°	217.0	215.8	212.7	212.7	210.9
80°	163.1	161.8	160.0	160.6	160.0
82.5°	115.9	112.8	110.3	111.6	112.2
85°	63.1	64.4	65.0	65.0	62.5
87.5°	25.7	25.1	25.7	27.0	27.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)