

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: P738303

Luminaire Tested: **22PT-60-PR1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738303
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-L830
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

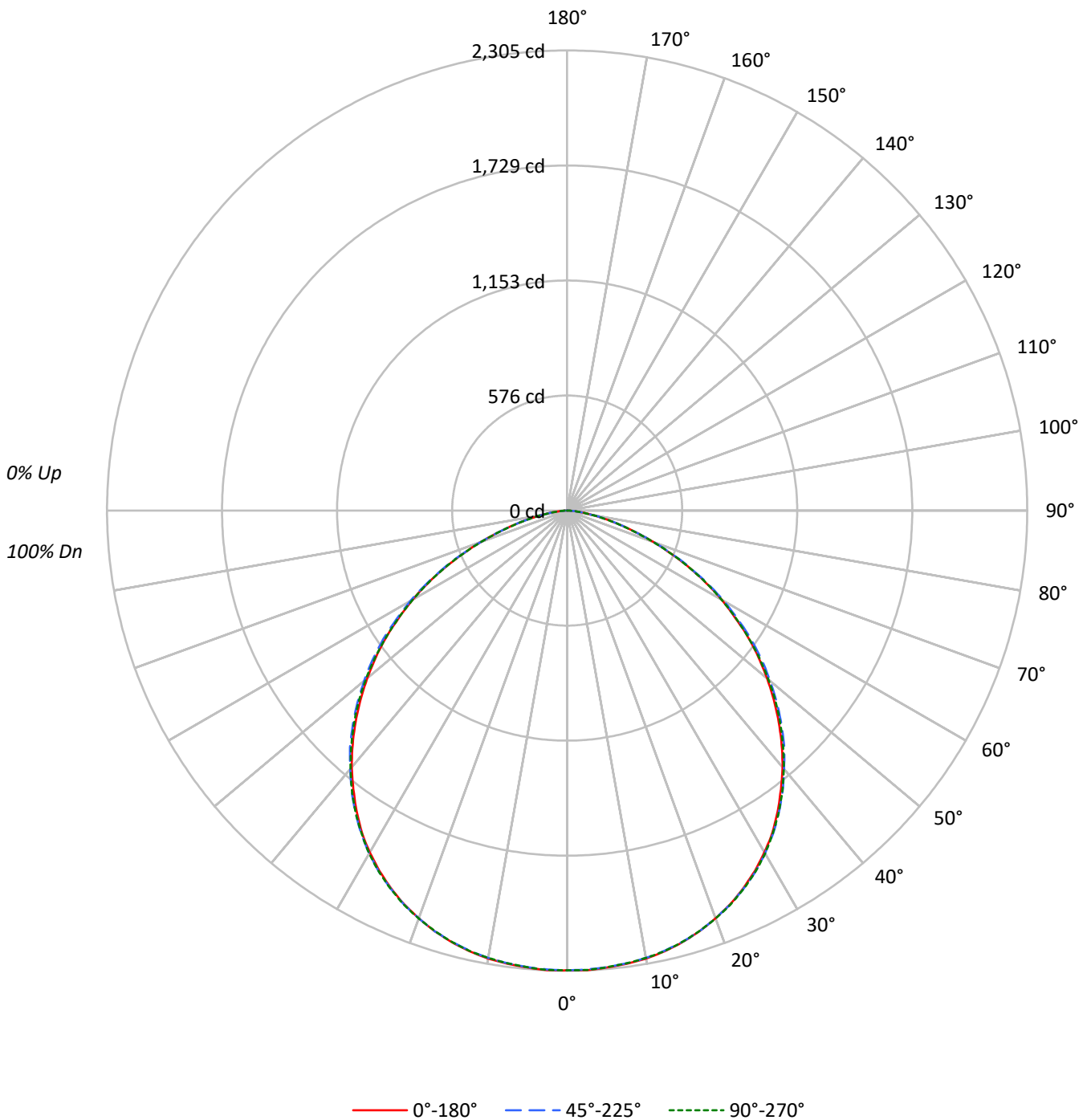
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6154.0 lumens
Efficiency: N/A
Efficacy: 118.8 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 (Ain): 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°	6748	6748	6748
5°	6758	6753	6753
10°	6779	6770	6770
15°	6787	6781	6783
20°	6778	6776	6781
25°	6749	6756	6762
30°	6688	6709	6712
35°	6575	6612	6608
40°	6422	6466	6458
45°	6211	6291	6259
50°	5960	6050	6001
55°	5657	5746	5665
60°	5244	5316	5226
65°	4678	4727	4673
70°	3936	3936	3910
75°	3085	3085	3050
80°	2258	2232	2222
85°	1472	1472	1503



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.5	3.6
10°-20°	631.1	10.3
20°-30°	962.7	15.6
30°-40°	1153.7	18.7
40°-50°	1165.2	18.9
50°-60°	997.0	16.2
60°-70°	672.3	10.9
70°-80°	296.6	4.8
80°-90°	56.9	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°	1812.3	29.4
0°-40°	2966.0	48.2
0°-60°	5128.2	83.3
0°-90°	6154.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6154.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2303	2303	2303	2303	2303	
5°	2298	2295	2296	2295	2296	219
15°	2238	2237	2235	2234	2236	632
25°	2088	2090	2090	2090	2092	962
35°	1838	1849	1848	1847	1848	1149
45°	1499	1510	1518	1516	1510	1155
55°	1107	1117	1125	1123	1109	987
65°	675	680	682	680	674	667
75°	272	273	272	273	269	297
85°	44	44	44	45	45	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2303.0	2303.0	2303.0	2303.0	2303.0
2.5°	2304.6	2301.5	2300.7	2300.0	2303.0
5°	2297.6	2294.6	2296.1	2294.6	2296.1
7.5°	2289.2	2286.1	2287.0	2285.3	2287.0
10°	2278.5	2275.3	2275.3	2273.8	2275.3
12.5°	2261.4	2259.2	2258.4	2256.8	2259.2
15°	2237.5	2236.9	2235.4	2234.5	2236.0
17.5°	2208.5	2206.9	2208.5	2206.1	2207.6
20°	2173.8	2174.6	2173.1	2173.8	2174.6
22.5°	2134.5	2134.5	2135.4	2135.4	2136.9
25°	2087.6	2089.8	2089.8	2089.8	2091.5
27.5°	2035.4	2038.4	2040.6	2039.0	2040.6
30°	1976.8	1982.2	1982.9	1982.2	1983.7
32.5°	1913.7	1917.6	1919.7	1918.2	1916.7
35°	1838.2	1849.0	1848.4	1846.6	1847.5
37.5°	1759.0	1769.9	1773.5	1770.5	1771.4
40°	1679.0	1688.3	1690.5	1691.3	1688.3
42.5°	1590.5	1601.3	1609.8	1605.9	1601.3
45°	1498.9	1510.4	1518.2	1515.8	1510.4
47.5°	1404.3	1415.0	1425.8	1421.9	1416.7
50°	1307.4	1318.0	1327.3	1325.8	1316.5
52.5°	1208.0	1220.4	1228.9	1225.8	1213.5
55°	1107.4	1117.4	1124.9	1123.4	1108.9
57.5°	998.0	1011.1	1015.0	1012.6	1002.0
60°	894.8	903.5	907.2	904.1	891.8
62.5°	784.8	791.8	794.8	794.1	785.7
65°	674.8	680.3	681.8	680.3	674.0
67.5°	561.8	569.4	570.3	570.3	564.0
70°	459.4	461.6	459.4	465.5	456.4
72.5°	360.1	361.6	360.1	360.1	356.2
75°	272.5	273.1	272.5	273.1	269.4
77.5°	197.0	198.5	195.4	197.8	193.9
80°	133.8	133.8	132.3	133.2	131.7
82.5°	83.1	84.6	82.4	82.4	81.6
85°	43.8	43.8	43.8	44.7	44.7
87.5°	15.4	15.4	16.1	16.1	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)