

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: P738458

Luminaire Tested: **24PT-30-PW1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738458
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-30-PW1-L850
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

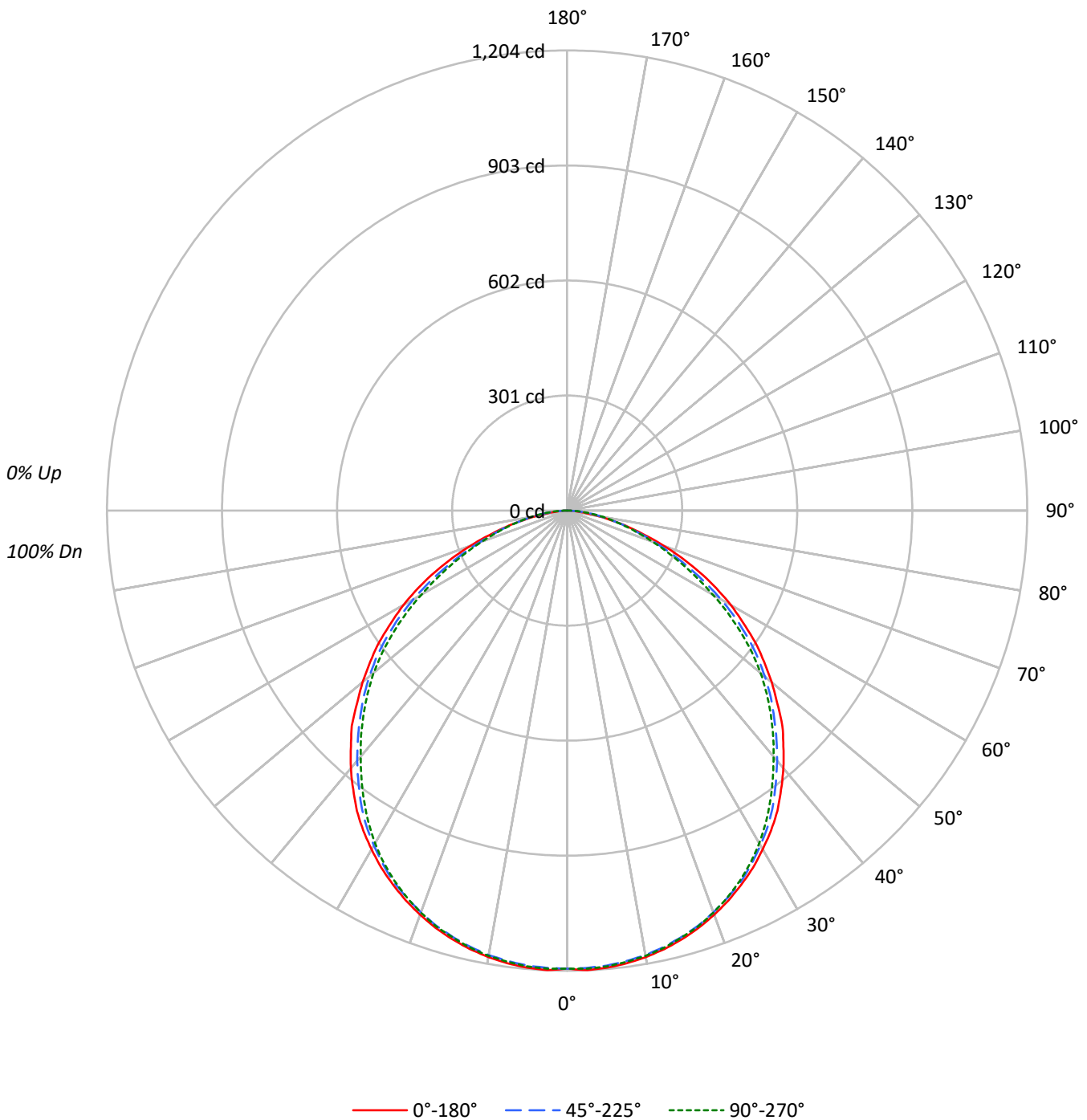
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3196.0 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 23.8
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

TEST NUMBER: P738458
CATALOG NUMBER: 24PT-30-PW1-L850

Luminous Intensity Polar Plot





TEST NUMBER: P738458

CATALOG NUMBER: 24PT-30-PW1-L850

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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1719	1719	1719
5°	1728	1720	1723
10°	1727	1719	1722
15°	1724	1715	1716
20°	1717	1707	1708
25°	1708	1698	1691
30°	1694	1675	1664
35°	1679	1645	1622
40°	1648	1599	1573
45°	1616	1553	1528
50°	1558	1506	1474
55°	1501	1437	1385
60°	1419	1331	1263
65°	1299	1186	1125
70°	1126	1028	991
75°	921	887	875
80°	672	758	781
85°	451	633	673



TEST NUMBER: P738458

CATALOG NUMBER: 24PT-30-PW1-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.7	3.6
10°-20°	326.4	10.2
20°-30°	493.9	15.5
30°-40°	587.7	18.4
40°-50°	593.6	18.6
50°-60°	513.7	16.1
60°-70°	350.9	11.0
70°-80°	172.9	5.4
80°-90°	43.2	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°	934.0	29.2
0°-40°	1521.7	47.6
0°-60°	2629.0	82.3
0°-90°	3196.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3196.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1199	1199	1199	1199	1199	
5°	1201	1196	1195	1194	1197	114
15°	1161	1157	1155	1154	1156	328
25°	1079	1075	1073	1069	1069	497
35°	959	951	940	929	927	599
45°	797	783	766	757	753	612
55°	600	592	575	563	554	535
65°	383	368	350	338	332	378
75°	166	162	160	159	158	178
85°	27	34	38	40	41	35
90°	0	0	0	0	0	



TEST NUMBER: P738458

CATALOG NUMBER: 24PT-30-PW1-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1198.6	1198.6	1198.6	1198.6	1198.6
2.5°	1203.5	1199.0	1197.6	1196.5	1199.7
5°	1200.7	1196.2	1194.8	1193.8	1197.2
7.5°	1194.8	1190.3	1188.9	1187.9	1190.7
10°	1186.1	1182.0	1180.6	1179.6	1182.7
12.5°	1175.1	1171.2	1169.5	1168.1	1171.6
15°	1161.2	1157.4	1155.0	1154.3	1156.3
17.5°	1144.6	1140.8	1139.0	1138.0	1140.4
20°	1125.2	1121.0	1118.6	1117.2	1119.3
22.5°	1103.7	1099.5	1096.4	1095.0	1095.7
25°	1079.4	1075.3	1073.2	1069.0	1069.0
27.5°	1053.4	1048.6	1043.4	1038.9	1039.2
30°	1023.3	1017.7	1011.5	1005.6	1005.3
32.5°	992.8	985.9	978.2	970.3	967.8
35°	959.2	951.2	939.8	929.4	926.6
37.5°	919.7	912.4	897.1	888.5	884.0
40°	880.5	870.1	854.5	844.5	840.3
42.5°	837.5	827.5	810.9	801.5	798.0
45°	796.7	783.1	765.8	757.2	753.3
47.5°	745.7	734.6	722.5	712.5	707.6
50°	698.6	689.6	675.0	663.9	660.8
52.5°	649.4	641.8	627.9	613.3	609.9
55°	600.5	592.2	574.9	562.8	554.1
57.5°	545.4	538.2	521.9	506.3	498.6
60°	494.8	482.4	464.3	447.4	440.4
62.5°	439.7	427.6	406.8	389.5	385.7
65°	382.9	368.4	349.6	338.2	331.6
67.5°	325.4	311.2	295.6	288.3	284.1
70°	268.6	257.1	245.3	240.1	236.3
72.5°	213.8	207.2	200.6	198.6	195.1
75°	166.3	161.5	160.1	159.1	158.0
77.5°	119.9	122.3	123.7	125.1	123.7
80°	81.4	86.6	91.8	94.6	94.6
82.5°	50.2	59.3	63.8	66.5	66.2
85°	27.4	34.0	38.5	39.9	40.9
87.5°	11.1	13.9	15.6	17.0	17.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)