

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: P738459

Luminaire Tested: **24PT-30-PW1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738459
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-L930
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

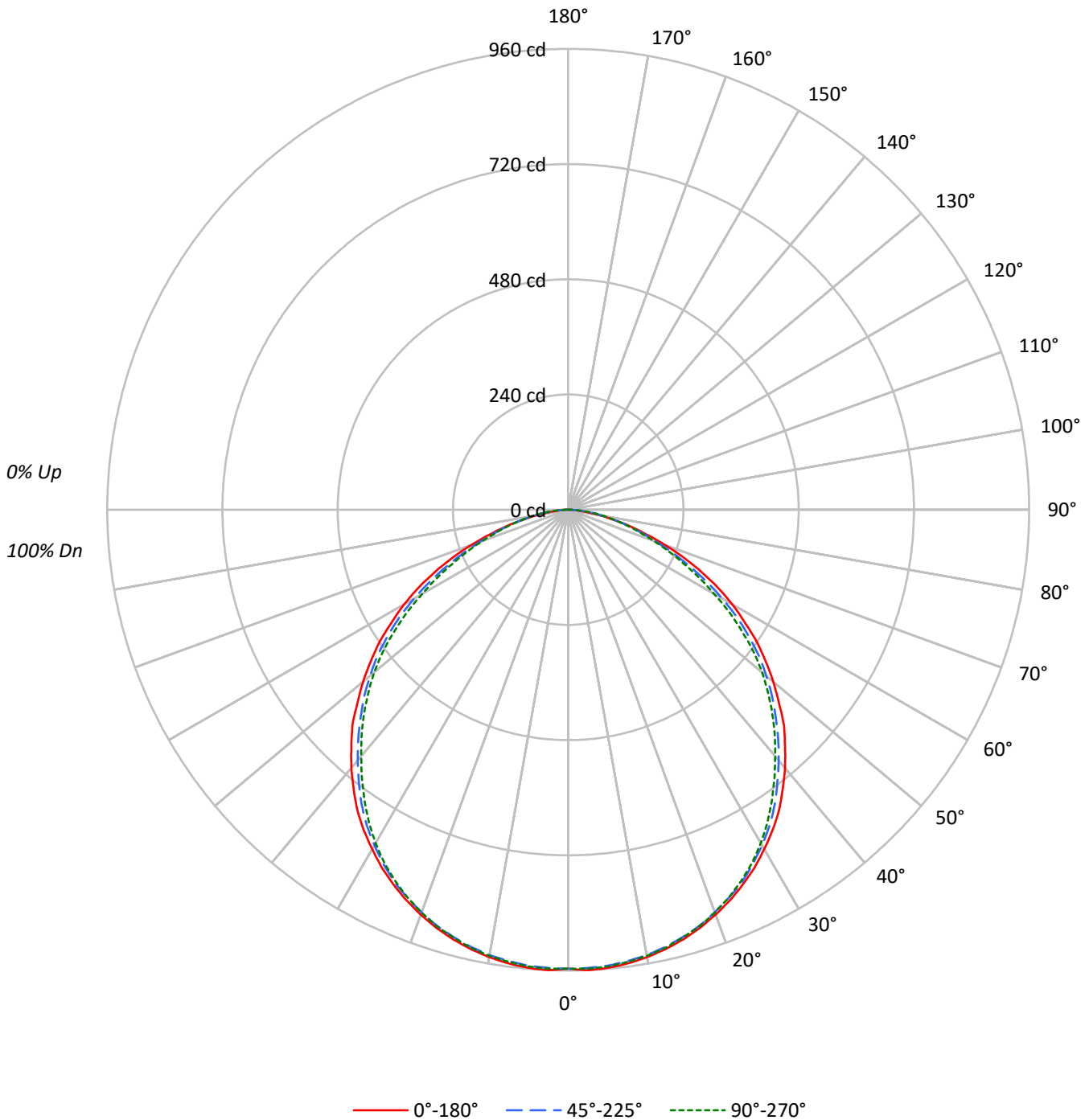
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2550.0 lumens
Efficiency: N/A
Efficacy: 107.1 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: P738459
CATALOG NUMBER: 24PT-30-PW1-L930

Luminous Intensity Polar Plot





TEST NUMBER: P738459

CATALOG NUMBER: 24PT-30-PW1-L930

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°	1371	1371	1371
5°	1379	1372	1375
10°	1378	1372	1374
15°	1375	1368	1370
20°	1370	1362	1363
25°	1362	1355	1349
30°	1352	1336	1328
35°	1340	1312	1294
40°	1315	1276	1255
45°	1289	1239	1219
50°	1243	1201	1176
55°	1198	1147	1105
60°	1132	1062	1008
65°	1037	947	898
70°	898	820	791
75°	735	707	699
80°	537	605	623
85°	359	505	536



TEST NUMBER: P738459

CATALOG NUMBER: 24PT-30-PW1-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.7	3.6
10°-20°	260.4	10.2
20°-30°	394.1	15.5
30°-40°	468.9	18.4
40°-50°	473.6	18.6
50°-60°	409.8	16.1
60°-70°	280.0	11.0
70°-80°	138.0	5.4
80°-90°	34.5	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°	745.2	29.2
0°-40°	1214.1	47.6
0°-60°	2097.6	82.3
0°-90°	2550.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2550.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	956	956	956	956	956	
5°	958	954	953	952	955	91
15°	926	923	922	921	923	261
25°	861	858	856	853	853	397
35°	765	759	750	742	739	478
45°	636	625	611	604	601	488
55°	479	472	459	449	442	427
65°	306	294	279	270	265	302
75°	133	129	128	127	126	142
85°	22	27	31	32	33	28
90°	0	0	0	0	0	



TEST NUMBER: P738459

CATALOG NUMBER: 24PT-30-PW1-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	956.3	956.3	956.3	956.3	956.3
2.5°	960.2	956.6	955.5	954.7	957.2
5°	958.0	954.4	953.3	952.5	955.2
7.5°	953.3	949.7	948.6	947.8	950.0
10°	946.4	943.1	942.0	941.1	943.6
12.5°	937.5	934.5	933.1	932.0	934.8
15°	926.5	923.4	921.5	921.0	922.6
17.5°	913.2	910.2	908.8	908.0	909.9
20°	897.7	894.4	892.5	891.4	893.0
22.5°	880.6	877.3	874.8	873.7	874.2
25°	861.2	857.9	856.3	852.9	852.9
27.5°	840.5	836.6	832.5	828.9	829.2
30°	816.4	812.0	807.0	802.3	802.1
32.5°	792.1	786.6	780.5	774.1	772.2
35°	765.3	758.9	749.8	741.5	739.3
37.5°	733.8	728.0	715.8	708.9	705.3
40°	702.5	694.2	681.8	673.8	670.5
42.5°	668.3	660.2	647.0	639.5	636.7
45°	635.6	624.8	611.0	604.1	601.1
47.5°	595.0	586.1	576.5	568.4	564.6
50°	557.4	550.2	538.6	529.7	527.2
52.5°	518.1	512.0	501.0	489.4	486.6
55°	479.1	472.5	458.7	449.0	442.1
57.5°	435.2	429.4	416.4	403.9	397.9
60°	394.8	384.9	370.5	356.9	351.4
62.5°	350.9	341.2	324.6	310.8	307.7
65°	305.5	293.9	279.0	269.8	264.6
67.5°	259.6	248.3	235.8	230.0	226.7
70°	214.3	205.1	195.7	191.6	188.6
72.5°	170.6	165.3	160.1	158.4	155.7
75°	132.7	128.8	127.7	126.9	126.1
77.5°	95.7	97.6	98.7	99.8	98.7
80°	65.0	69.1	73.3	75.5	75.5
82.5°	40.1	47.3	50.9	53.1	52.8
85°	21.8	27.1	30.7	31.8	32.6
87.5°	8.8	11.1	12.4	13.5	14.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)