

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: P738461

Luminaire Tested: **24PT-30-PW1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738461
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-L940
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

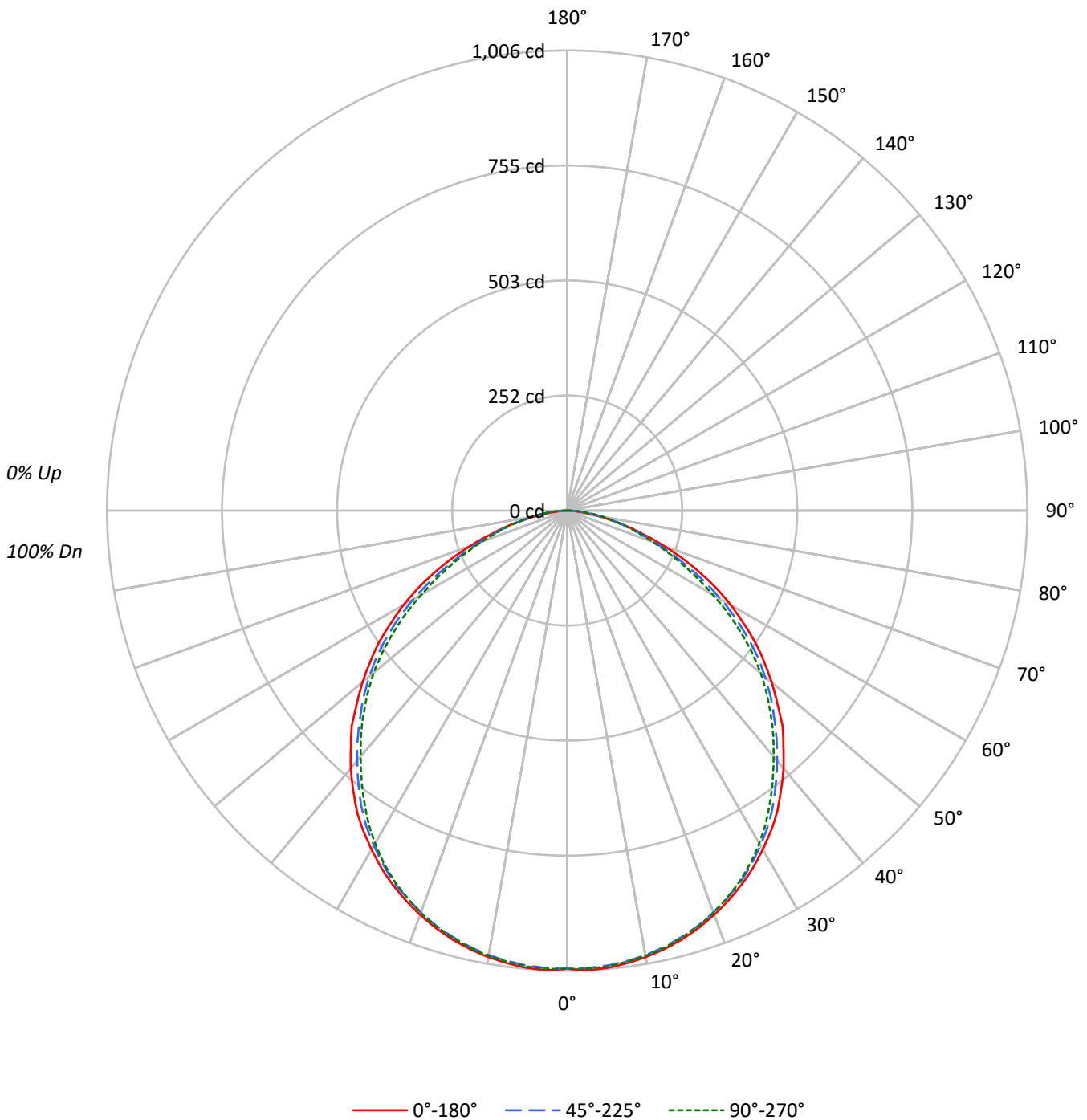
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2671.0 lumens
Efficiency: N/A
Efficacy: 112.2 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

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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	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°	1436	1436	1436
5°	1444	1437	1440
10°	1443	1437	1439
15°	1441	1433	1435
20°	1435	1426	1427
25°	1427	1419	1413
30°	1416	1400	1391
35°	1403	1375	1356
40°	1377	1337	1315
45°	1350	1298	1277
50°	1302	1258	1232
55°	1255	1201	1158
60°	1186	1113	1056
65°	1086	991	940
70°	941	859	828
75°	770	741	732
80°	562	633	653
85°	377	528	563



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.0	3.6
10°-20°	272.7	10.2
20°-30°	412.8	15.5
30°-40°	491.2	18.4
40°-50°	496.1	18.6
50°-60°	429.3	16.1
60°-70°	293.3	11.0
70°-80°	144.5	5.4
80°-90°	36.1	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°	780.5	29.2
0°-40°	1271.7	47.6
0°-60°	2197.1	82.3
0°-90°	2671.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2671.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1002	1002	1002	1002	1002	
5°	1004	1000	998	998	1001	95
15°	970	967	965	965	966	274
25°	902	899	897	893	893	416
35°	802	795	785	777	774	500
45°	666	654	640	633	630	511
55°	502	495	480	470	463	447
65°	320	308	292	283	277	316
75°	139	135	134	133	132	149
85°	23	28	32	33	34	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1001.7	1001.7	1001.7	1001.7	1001.7
2.5°	1005.8	1002.0	1000.9	1000.0	1002.6
5°	1003.5	999.7	998.5	997.7	1000.6
7.5°	998.5	994.8	993.6	992.8	995.1
10°	991.3	987.8	986.7	985.8	988.4
12.5°	982.0	978.8	977.4	976.2	979.1
15°	970.5	967.3	965.2	964.7	966.4
17.5°	956.6	953.4	951.9	951.0	953.1
20°	940.3	936.9	934.8	933.7	935.4
22.5°	922.4	918.9	916.3	915.1	915.7
25°	902.1	898.6	896.9	893.4	893.4
27.5°	880.4	876.3	872.0	868.2	868.5
30°	855.2	850.6	845.3	840.4	840.1
32.5°	829.7	823.9	817.5	810.9	808.9
35°	801.6	795.0	785.4	776.7	774.4
37.5°	768.6	762.5	749.8	742.5	738.8
40°	735.9	727.2	714.2	705.8	702.3
42.5°	700.0	691.6	677.7	669.8	667.0
45°	665.8	654.5	640.0	632.8	629.6
47.5°	623.2	614.0	603.8	595.4	591.4
50°	583.8	576.3	564.1	554.9	552.3
52.5°	542.7	536.3	524.8	512.6	509.7
55°	501.9	494.9	480.4	470.3	463.1
57.5°	455.8	449.7	436.1	423.1	416.7
60°	413.5	403.1	388.1	373.9	368.1
62.5°	367.5	357.4	340.0	325.5	322.3
65°	320.0	307.8	292.2	282.7	277.1
67.5°	271.9	260.1	247.0	240.9	237.5
70°	224.4	214.9	205.0	200.7	197.5
72.5°	178.7	173.2	167.7	165.9	163.0
75°	139.0	135.0	133.8	132.9	132.1
77.5°	100.2	102.2	103.4	104.5	103.4
80°	68.1	72.4	76.7	79.1	79.1
82.5°	42.0	49.5	53.3	55.6	55.3
85°	22.9	28.4	32.1	33.3	34.2
87.5°	9.3	11.6	13.0	14.2	14.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)