

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: P738437

Luminaire Tested: **24PT-30-PC3-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-30-PC3-L940
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

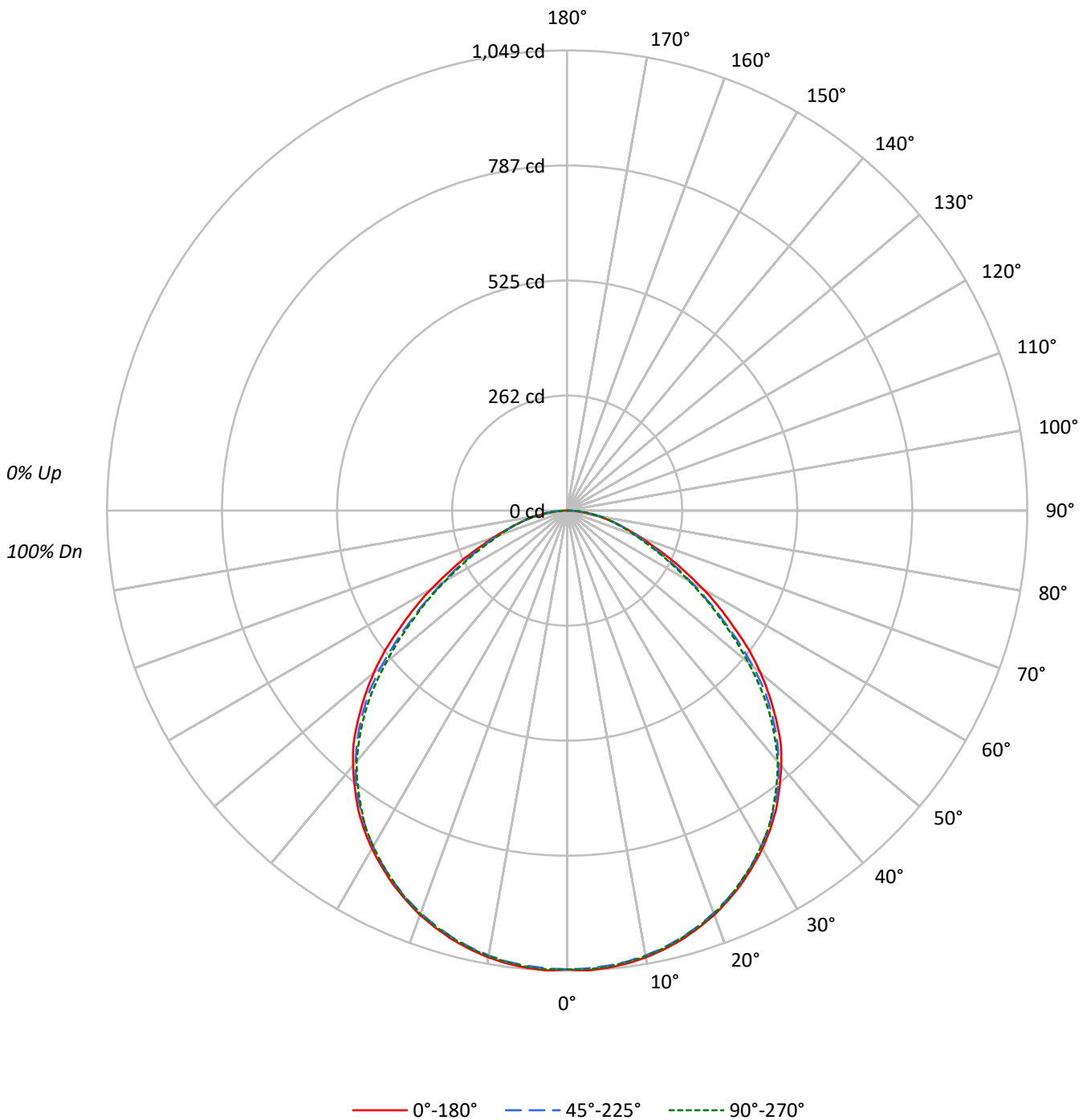
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2638.0 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	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	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1500	1500	1500
5°	1506	1500	1503
10°	1506	1499	1502
15°	1503	1496	1498
20°	1497	1490	1493
25°	1487	1479	1479
30°	1474	1464	1464
35°	1454	1442	1436
40°	1421	1405	1398
45°	1366	1341	1322
50°	1283	1234	1201
55°	1160	1081	1061
60°	1026	936	917
65°	877	811	790
70°	743	711	690
75°	652	663	640
80°	584	644	608
85°	494	589	561



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.2	3.8
10°-20°	284.6	10.8
20°-30°	431.2	16.3
30°-40°	515.0	19.5
40°-50°	508.0	19.3
50°-60°	393.3	14.9
60°-70°	241.7	9.2
70°-80°	126.7	4.8
80°-90°	38.4	1.5
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°	814.9	30.9
0°-40°	1329.9	50.4
0°-60°	2231.2	84.6
0°-90°	2638.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2638.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1046	1046	1046	1046	1046	
5°	1046	1043	1042	1041	1044	100
15°	1012	1009	1008	1007	1009	286
25°	940	937	935	934	935	433
35°	831	827	824	821	820	519
45°	674	669	661	654	652	518
55°	464	451	432	426	424	416
65°	258	246	239	232	233	258
75°	118	119	120	117	116	127
85°	30	34	36	35	34	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1045.8	1045.8	1045.8	1045.8	1045.8
2.5°	1049.3	1046.1	1044.6	1044.4	1046.7
5°	1046.4	1043.2	1042.0	1041.4	1044.1
7.5°	1041.7	1038.2	1037.1	1036.2	1038.5
10°	1034.5	1031.0	1029.8	1029.2	1031.3
12.5°	1024.0	1020.8	1019.9	1019.0	1021.7
15°	1012.3	1009.1	1007.7	1006.8	1008.8
17.5°	997.2	994.6	992.8	992.8	994.6
20°	980.9	977.7	976.2	975.4	978.3
22.5°	960.8	958.8	957.0	955.6	958.8
25°	939.6	936.7	934.9	934.3	934.6
27.5°	915.4	913.4	911.0	910.2	910.8
30°	890.1	887.5	884.3	882.5	884.0
32.5°	861.9	858.1	855.5	853.7	855.7
35°	830.7	826.9	824.0	821.4	820.2
37.5°	795.2	794.0	790.0	785.3	785.0
40°	759.4	756.2	750.4	748.3	746.9
42.5°	721.0	714.3	708.2	702.4	700.3
45°	673.8	668.9	661.3	654.3	652.0
47.5°	625.5	619.1	611.8	599.6	598.1
50°	575.2	565.8	553.0	542.8	538.5
52.5°	522.8	510.2	492.5	483.8	481.4
55°	464.0	451.4	432.5	426.1	424.4
57.5°	411.6	393.2	377.8	370.5	372.9
60°	357.7	340.0	326.3	319.3	319.9
62.5°	305.0	291.1	280.9	274.2	275.1
65°	258.5	246.5	239.0	232.0	232.9
67.5°	212.8	207.2	201.7	197.6	195.3
70°	177.3	174.9	169.7	165.9	164.7
72.5°	145.0	146.4	142.0	140.9	140.6
75°	117.6	118.8	119.6	117.3	115.6
77.5°	94.0	95.8	99.3	96.1	95.5
80°	70.7	74.2	78.0	76.0	73.6
82.5°	49.5	53.8	57.3	54.7	53.6
85°	30.0	33.5	35.8	34.9	34.1
87.5°	13.4	14.6	15.7	16.0	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)