

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: P738401

Luminaire Tested: **24PT-20-PC3-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738401
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-20-PC3-L840
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

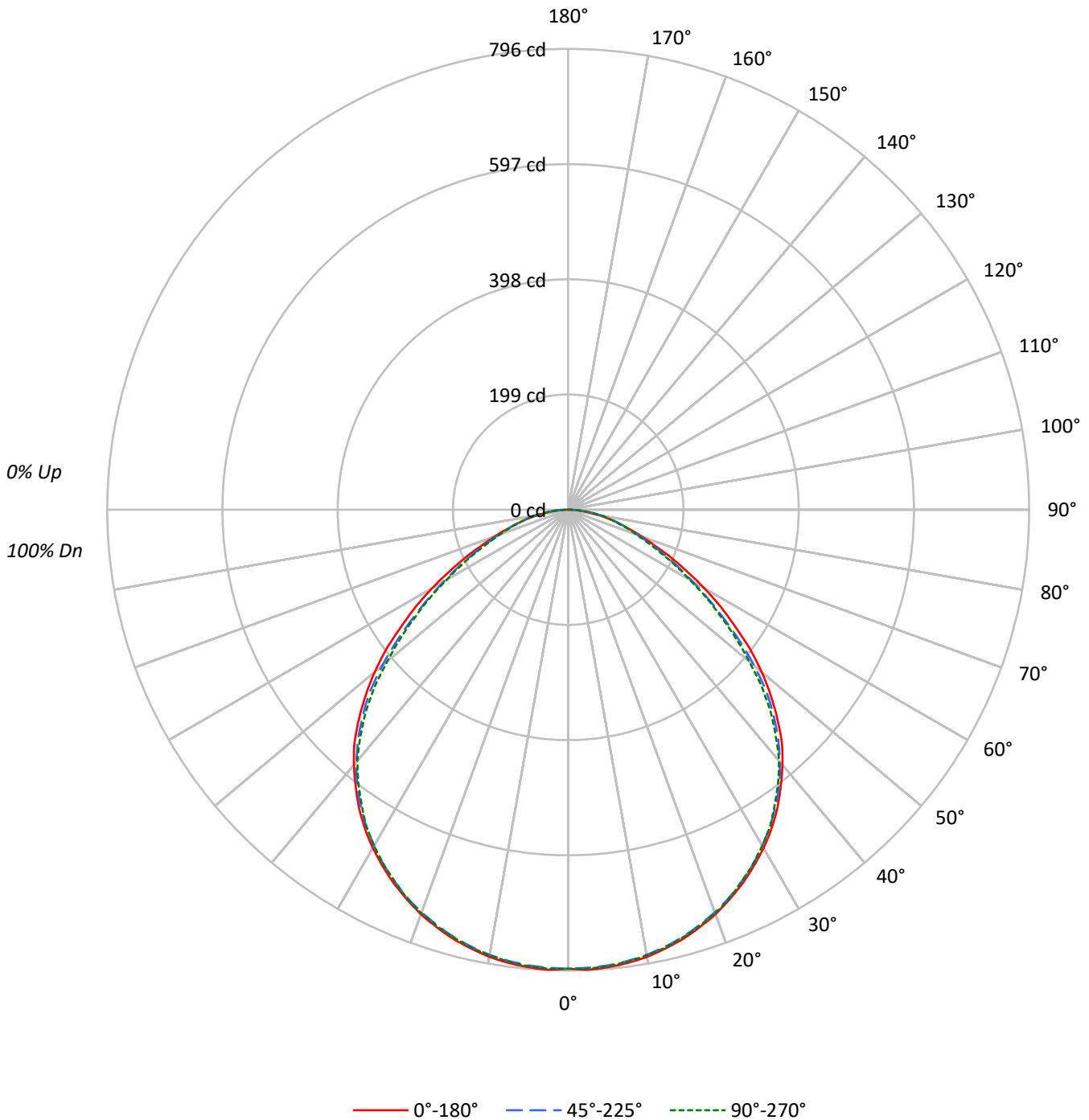
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2000.0 lumens
Efficiency: N/A
Efficacy: 132.4 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): 15.1
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°	1137	1137	1137
5°	1142	1137	1139
10°	1142	1137	1138
15°	1139	1134	1135
20°	1135	1129	1132
25°	1127	1121	1121
30°	1117	1110	1110
35°	1102	1093	1089
40°	1078	1065	1060
45°	1036	1017	1002
50°	973	935	911
55°	879	820	804
60°	778	709	695
65°	665	615	599
70°	563	540	524
75°	494	502	485
80°	443	488	461
85°	373	446	424



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.2	3.8
10°-20°	215.8	10.8
20°-30°	326.9	16.3
30°-40°	390.4	19.5
40°-50°	385.2	19.3
50°-60°	298.2	14.9
60°-70°	183.3	9.2
70°-80°	96.0	4.8
80°-90°	29.1	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°	617.8	30.9
0°-40°	1008.3	50.4
0°-60°	1691.6	84.6
0°-90°	2000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2000.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	793	793	793	793	793	
5°	793	791	790	790	792	75
15°	768	765	764	763	765	217
25°	712	710	709	708	709	328
35°	630	627	625	623	622	393
45°	511	507	501	496	494	393
55°	352	342	328	323	322	316
65°	196	187	181	176	176	196
75°	89	90	91	89	88	96
85°	23	25	27	26	26	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	792.9	792.9	792.9	792.9	792.9
2.5°	795.5	793.1	792.0	791.8	793.5
5°	793.3	790.9	790.0	789.6	791.6
7.5°	789.8	787.1	786.3	785.6	787.4
10°	784.3	781.6	780.7	780.3	781.8
12.5°	776.3	773.9	773.2	772.6	774.6
15°	767.5	765.1	764.0	763.3	764.9
17.5°	756.0	754.0	752.7	752.7	754.0
20°	743.7	741.2	740.1	739.5	741.7
22.5°	728.4	726.9	725.6	724.5	726.9
25°	712.3	710.1	708.8	708.4	708.6
27.5°	694.0	692.5	690.7	690.0	690.5
30°	674.8	672.8	670.4	669.1	670.2
32.5°	653.4	650.5	648.6	647.2	648.8
35°	629.8	626.9	624.7	622.7	621.9
37.5°	602.9	602.0	598.9	595.4	595.2
40°	575.7	573.3	568.9	567.4	566.3
42.5°	546.6	541.5	536.9	532.5	530.9
45°	510.9	507.1	501.4	496.1	494.3
47.5°	474.2	469.4	463.9	454.6	453.5
50°	436.1	429.0	419.3	411.6	408.2
52.5°	396.3	386.8	373.4	366.8	365.0
55°	351.8	342.3	327.9	323.1	321.7
57.5°	312.0	298.1	286.4	280.9	282.7
60°	271.2	257.7	247.4	242.1	242.5
62.5°	231.3	220.7	213.0	207.9	208.5
65°	196.0	186.9	181.2	175.9	176.5
67.5°	161.3	157.1	152.9	149.8	148.1
70°	134.4	132.6	128.7	125.8	124.9
72.5°	109.9	111.0	107.7	106.8	106.6
75°	89.2	90.0	90.7	88.9	87.6
77.5°	71.3	72.6	75.2	72.8	72.4
80°	53.6	56.3	59.1	57.6	55.8
82.5°	37.5	40.8	43.5	41.5	40.6
85°	22.7	25.4	27.1	26.5	25.8
87.5°	10.2	11.0	11.9	12.1	11.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)