

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: P738413

Luminaire Tested: **24PT-20-PL1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738413
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-20-PL1-L940
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

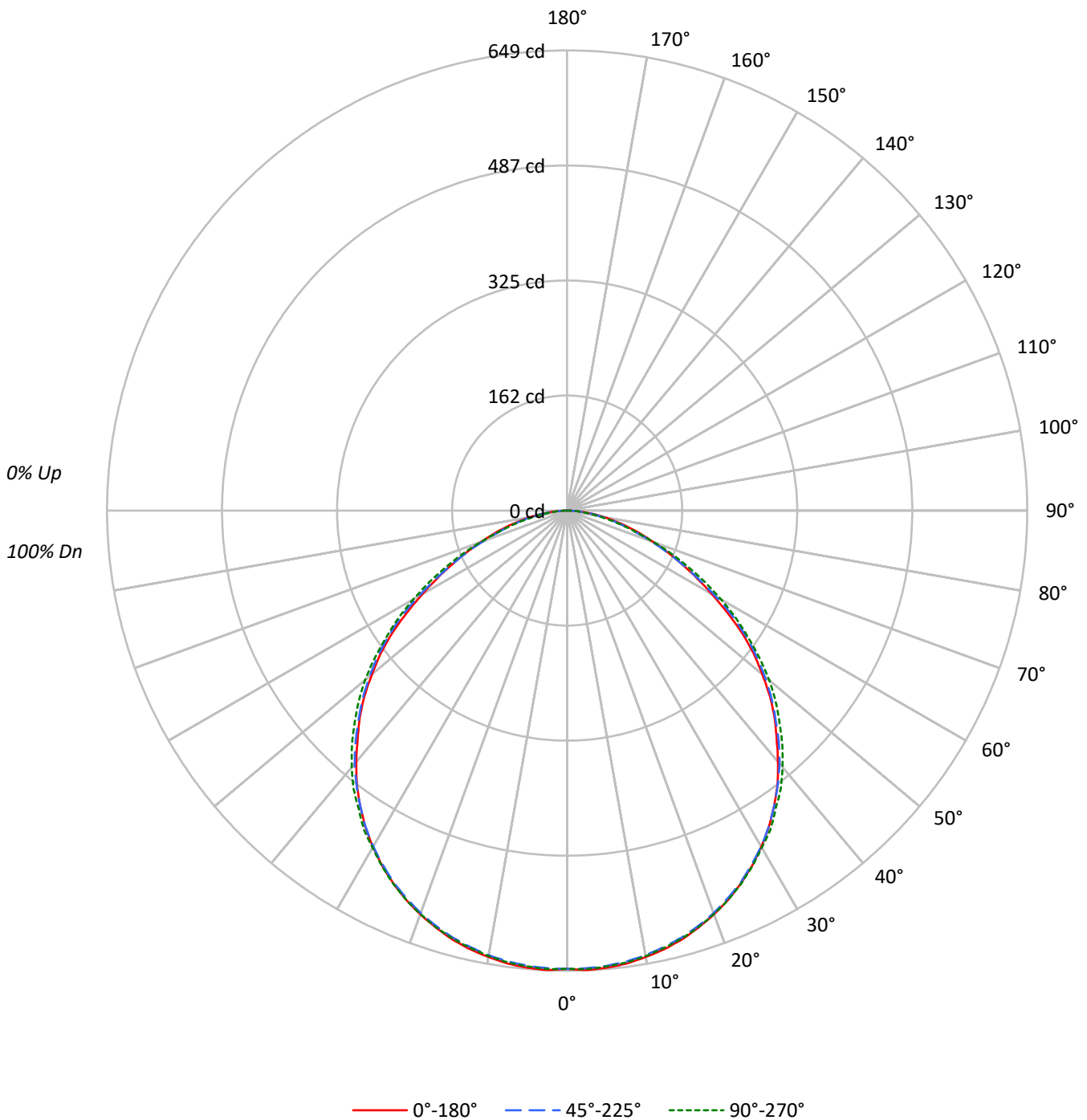
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1711.0 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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

TEST NUMBER: P738413
CATALOG NUMBER: 24PT-20-PL1-L940

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	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	927	927	927
5°	932	928	929
10°	931	927	929
15°	929	925	927
20°	925	922	924
25°	918	916	919
30°	907	906	909
35°	890	891	898
40°	866	873	884
45°	839	843	859
50°	801	811	830
55°	752	766	778
60°	676	692	718
65°	605	606	639
70°	539	524	543
75°	487	458	450
80°	433	404	356
85°	355	336	278



TEST NUMBER: P738413

CATALOG NUMBER: 24PT-20-PL1-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.3	3.6
10°-20°	176.1	10.3
20°-30°	266.7	15.6
30°-40°	318.8	18.6
40°-50°	321.5	18.8
50°-60°	272.8	15.9
60°-70°	180.5	10.5
70°-80°	89.6	5.2
80°-90°	23.7	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°	504.1	29.5
0°-40°	822.9	48.1
0°-60°	1417.2	82.8
0°-90°	1711.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1711.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	646	646	646	646	646	
5°	647	645	644	644	645	62
15°	626	624	623	623	625	177
25°	580	579	579	579	581	267
35°	509	508	509	512	513	318
45°	414	413	416	421	424	318
55°	301	302	307	309	311	268
65°	178	178	179	184	188	178
75°	88	86	83	80	81	94
85°	22	22	20	19	17	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	646.4	646.4	646.4	646.4	646.4
2.5°	648.6	646.6	646.0	645.7	647.2
5°	647.2	644.9	644.4	644.0	645.3
7.5°	644.2	641.8	641.4	641.0	642.7
10°	639.3	637.1	636.7	636.4	637.9
12.5°	633.6	631.4	630.6	630.8	631.7
15°	626.0	623.9	623.4	623.4	624.7
17.5°	616.5	614.6	614.3	614.1	615.8
20°	605.9	604.0	604.0	604.6	605.5
22.5°	593.8	592.5	591.8	592.2	594.0
25°	580.1	578.8	578.8	578.6	580.6
27.5°	564.8	563.2	563.2	564.7	565.4
30°	547.7	546.3	547.0	548.1	548.9
32.5°	529.4	528.4	529.0	530.7	533.6
35°	508.7	508.0	508.9	511.7	512.8
37.5°	487.2	486.6	487.9	491.6	494.8
40°	462.6	462.6	466.2	469.5	472.5
42.5°	437.2	438.9	441.5	446.7	449.3
45°	413.8	413.2	415.6	421.2	423.8
47.5°	387.8	387.2	390.7	394.6	398.9
50°	359.3	359.2	363.4	366.8	372.2
52.5°	331.7	333.3	336.1	339.1	342.2
55°	301.0	301.7	306.6	309.4	311.2
57.5°	267.9	270.3	276.3	280.4	282.0
60°	235.6	237.1	241.4	248.6	250.3
62.5°	206.2	206.8	209.4	217.6	219.8
65°	178.2	177.8	178.6	184.1	188.2
67.5°	152.7	151.2	151.2	154.2	159.2
70°	128.6	126.3	125.0	126.0	129.5
72.5°	108.3	105.4	102.0	101.4	103.7
75°	87.9	85.5	82.7	80.1	81.2
77.5°	70.0	68.0	65.4	62.4	60.9
80°	52.4	51.7	48.9	46.1	43.1
82.5°	36.6	36.0	34.2	32.0	30.1
85°	21.6	21.6	20.4	18.8	16.9
87.5°	9.7	9.3	9.7	8.2	7.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)