

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: P738420

Luminaire Tested: **24PT-20-PR1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738420
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-20-PR1-L935
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

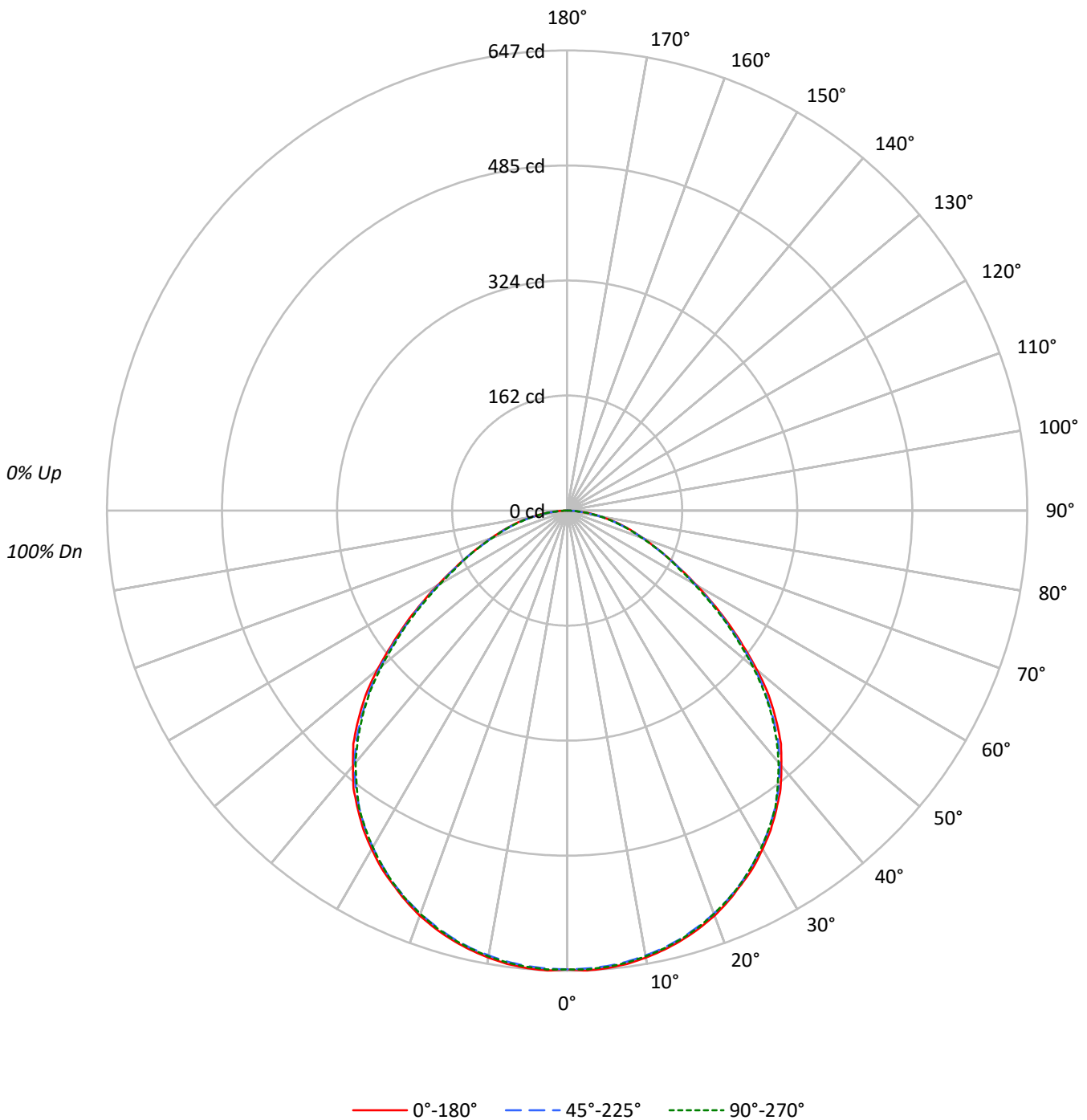
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1643.0 lumens
Efficiency: N/A
Efficacy: 108.8 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 (Ain): 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: P738420
CATALOG NUMBER: 24PT-20-PR1-L935

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	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36
8	62	49	41	35	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	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	925	925	925
5°	929	925	927
10°	929	925	927
15°	928	924	925
20°	925	920	921
25°	917	914	915
30°	910	905	905
35°	898	892	893
40°	877	870	866
45°	842	829	824
50°	777	766	759
55°	692	682	678
60°	603	596	590
65°	529	529	526
70°	476	474	467
75°	443	430	431
80°	396	388	388
85°	306	314	303



TEST NUMBER: P738420

CATALOG NUMBER: 24PT-20-PR1-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.2	3.7
10°-20°	175.7	10.7
20°-30°	266.4	16.2
30°-40°	318.7	19.4
40°-50°	314.6	19.1
50°-60°	244.9	14.9
60°-70°	155.5	9.5
70°-80°	83.4	5.1
80°-90°	22.6	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°	503.3	30.6
0°-40°	822.0	50.0
0°-60°	1381.5	84.1
0°-90°	1643.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1643.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	645	645	645	645	645	
5°	646	644	643	643	644	61
15°	625	623	622	622	623	176
25°	580	579	578	577	578	267
35°	513	512	510	508	510	321
45°	415	412	409	407	406	319
55°	277	275	273	271	271	248
65°	156	156	156	154	155	156
75°	80	79	78	77	78	85
85°	19	19	19	19	18	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	645.1	645.1	645.1	645.1	645.1
2.5°	647.3	645.1	644.4	644.1	645.7
5°	645.7	643.7	643.0	642.6	644.1
7.5°	643.0	640.6	639.9	639.6	641.2
10°	638.1	636.0	635.1	635.1	636.5
12.5°	632.4	630.5	629.6	628.9	630.5
15°	625.0	622.8	622.3	621.5	623.3
17.5°	616.1	614.0	613.3	612.9	614.2
20°	606.1	603.4	603.0	602.8	603.5
22.5°	593.6	592.2	591.5	591.1	591.6
25°	579.8	578.7	578.0	576.9	578.3
27.5°	566.3	564.8	563.0	562.1	563.0
30°	549.7	547.9	546.6	546.3	546.6
32.5°	532.6	530.8	529.1	529.0	528.8
35°	512.8	511.7	509.7	508.1	510.2
37.5°	493.1	490.6	488.8	486.8	486.3
40°	468.6	467.7	464.7	462.9	462.7
42.5°	444.9	440.7	438.6	437.3	435.3
45°	415.3	412.4	408.7	406.7	406.5
47.5°	384.5	380.9	377.3	374.6	375.3
50°	348.5	346.9	343.5	341.1	340.2
52.5°	311.4	311.0	307.4	306.0	304.4
55°	276.8	275.4	272.9	271.1	271.1
57.5°	242.8	241.5	240.3	236.8	236.8
60°	210.4	210.2	208.0	206.0	205.9
62.5°	181.4	182.4	180.5	178.5	177.4
65°	155.8	156.3	156.0	154.0	155.1
67.5°	133.3	133.5	132.7	131.7	132.4
70°	113.5	114.4	113.1	112.4	111.5
72.5°	96.2	95.8	94.7	95.3	94.0
75°	80.0	78.7	77.6	77.4	77.8
77.5°	63.8	63.4	62.5	62.5	62.0
80°	47.9	47.5	47.0	47.2	47.0
82.5°	34.0	33.1	32.4	32.8	33.0
85°	18.6	18.9	19.1	19.1	18.4
87.5°	7.6	7.4	7.6	7.9	8.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)