

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: P738087

Luminaire Tested: **22PT-25-PC3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738087
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P413056)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-25-PC3-L830
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

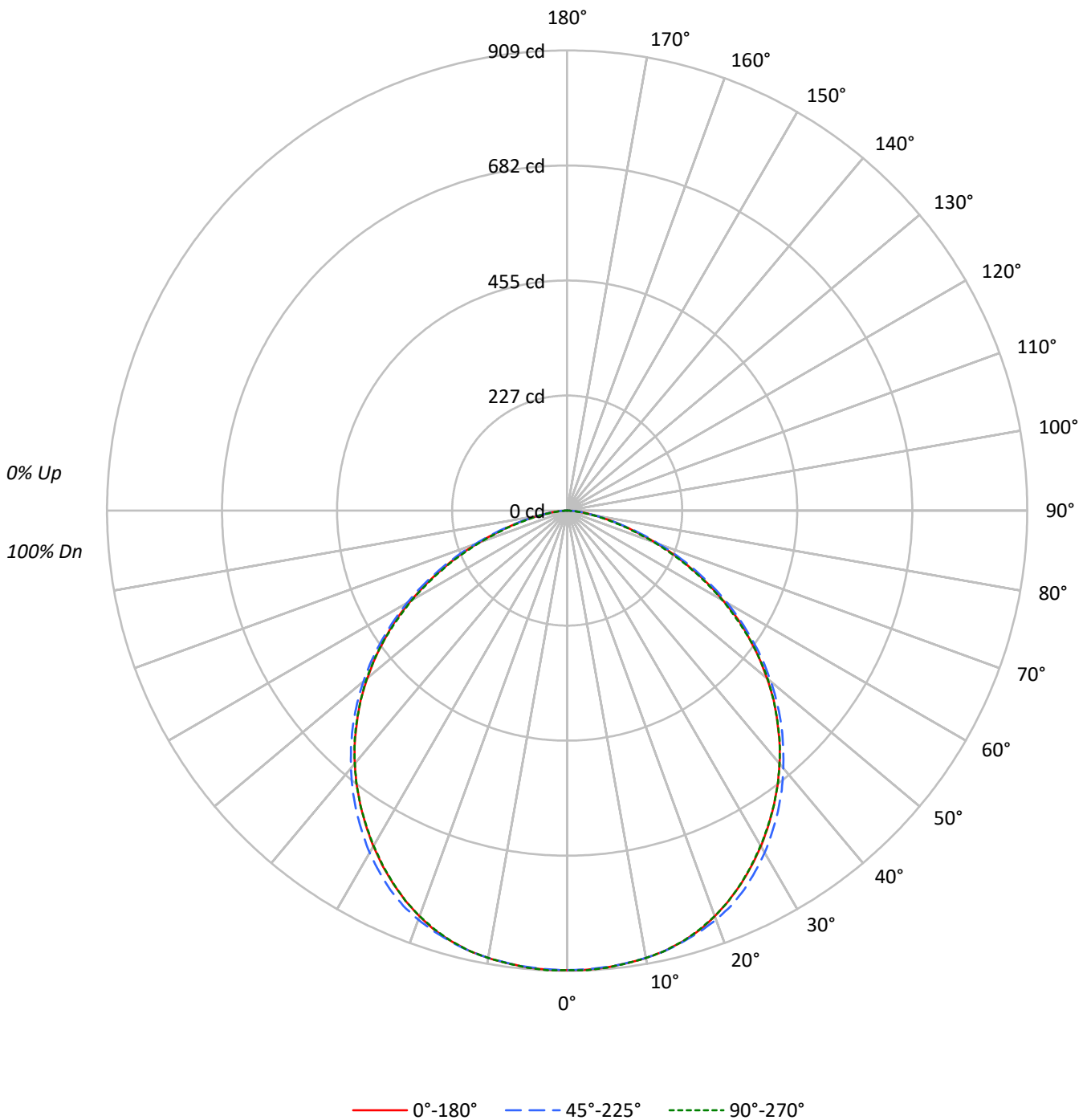
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2439.0 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 18.6
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

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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	97	107	103	99	96	99	96	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	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2660	2660	2660
5°	2664	2662	2665
10°	2670	2669	2670
15°	2673	2677	2673
20°	2660	2681	2658
25°	2629	2672	2627
30°	2590	2641	2586
35°	2545	2596	2545
40°	2497	2542	2497
45°	2432	2480	2435
50°	2348	2395	2358
55°	2240	2283	2240
60°	2088	2141	2075
65°	1874	1940	1850
70°	1603	1660	1556
75°	1272	1308	1206
80°	911	947	867
85°	602	622	565



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.1	3.5
10°-20°	248.8	10.2
20°-30°	377.5	15.5
30°-40°	450.8	18.5
40°-50°	458.5	18.8
50°-60°	396.6	16.3
60°-70°	272.9	11.2
70°-80°	123.8	5.1
80°-90°	24.0	1.0
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°	712.4	29.2
0°-40°	1163.2	47.7
0°-60°	2018.3	82.8
0°-90°	2439.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2439.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	908	908	908	908	908	
5°	906	905	905	905	906	86
15°	881	882	882	881	881	249
25°	813	820	826	819	813	375
35°	712	724	726	723	712	445
45°	587	598	598	598	588	453
55°	438	446	447	446	438	392
65°	270	278	280	278	267	268
75°	112	117	116	114	106	121
85°	18	19	18	18	17	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	907.9	907.9	907.9	907.9	907.9
2.5°	907.9	906.7	907.0	907.3	909.0
5°	905.6	904.7	905.0	905.0	906.2
7.5°	901.8	901.6	901.6	901.2	902.1
10°	897.5	896.9	897.2	896.9	897.5
12.5°	890.9	890.9	891.1	890.3	890.9
15°	881.3	881.9	882.4	881.1	881.1
17.5°	869.2	870.6	872.1	869.5	868.0
20°	853.0	856.5	859.9	855.9	852.5
22.5°	834.2	840.0	845.3	838.9	834.2
25°	813.2	820.4	826.5	818.9	812.6
27.5°	790.3	798.4	804.2	797.9	789.2
30°	765.6	775.4	780.5	774.5	764.3
32.5°	739.0	750.5	753.6	749.9	738.3
35°	711.5	724.2	725.7	723.1	711.5
37.5°	682.9	695.1	696.2	694.8	682.9
40°	652.9	664.1	664.5	664.5	652.9
42.5°	620.9	631.8	631.8	631.5	621.7
45°	586.8	597.5	598.4	597.7	587.7
47.5°	553.0	561.1	562.5	561.3	552.4
50°	515.2	523.5	525.3	524.1	517.2
52.5°	477.6	485.4	487.1	486.3	478.5
55°	438.4	445.8	447.0	446.2	438.4
57.5°	400.6	405.4	406.6	404.9	395.0
60°	356.3	363.3	365.3	363.3	354.1
62.5°	313.6	321.1	322.9	320.0	310.2
65°	270.3	277.8	279.8	277.5	266.8
67.5°	229.3	234.7	236.5	233.9	224.1
70°	187.1	194.1	193.8	190.3	181.6
72.5°	145.6	155.0	153.3	151.3	141.8
75°	112.4	116.6	115.5	114.4	106.5
77.5°	80.3	85.5	82.6	82.9	76.2
80°	54.0	58.9	56.1	54.8	51.4
82.5°	34.3	36.4	35.8	35.2	32.1
85°	17.9	19.0	18.5	17.9	16.8
87.5°	7.0	7.5	7.0	7.0	6.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)