

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: P738399

Luminaire Tested: **24PT-20-PC3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738399
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-L830
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

Summary

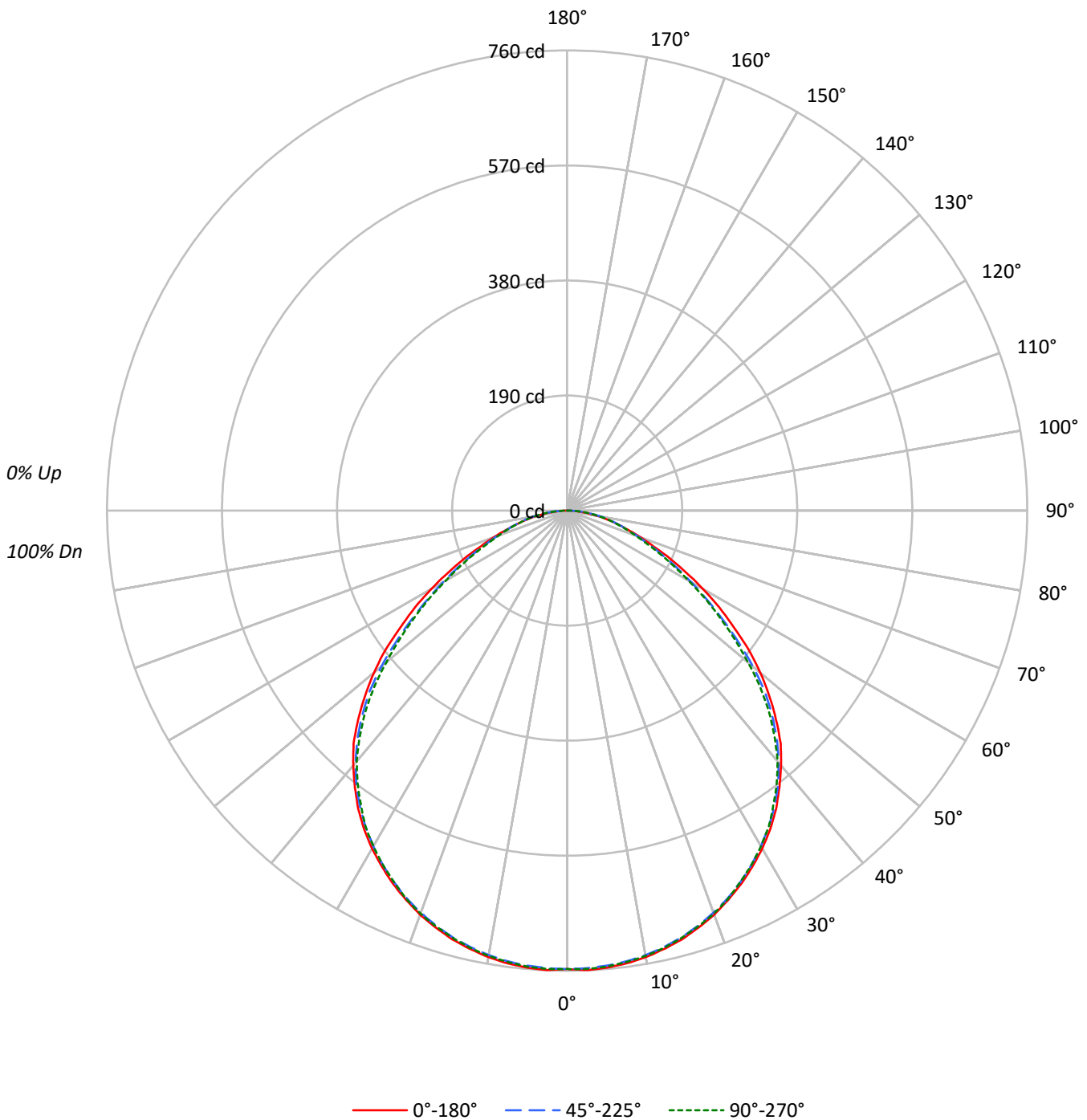
Lumens per Lamp: N/A
Luminaire Lumens: 1910.0 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

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°	1086	1086	1086
5°	1090	1086	1088
10°	1091	1086	1087
15°	1088	1083	1084
20°	1084	1078	1081
25°	1076	1071	1071
30°	1067	1060	1060
35°	1053	1044	1040
40°	1029	1017	1012
45°	989	971	957
50°	929	893	870
55°	840	783	768
60°	743	677	664
65°	635	587	572
70°	538	515	500
75°	471	480	464
80°	423	467	440
85°	357	426	406



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.8	3.8
10°-20°	206.1	10.8
20°-30°	312.2	16.3
30°-40°	372.9	19.5
40°-50°	367.8	19.3
50°-60°	284.7	14.9
60°-70°	175.0	9.2
70°-80°	91.7	4.8
80°-90°	27.8	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°	590.0	30.9
0°-40°	962.9	50.4
0°-60°	1615.5	84.6
0°-90°	1910.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1910.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	757	757	757	757	757	
5°	758	755	754	754	756	72
15°	733	731	730	729	730	207
25°	680	678	677	676	677	313
35°	602	599	597	595	594	376
45°	488	484	479	474	472	375
55°	336	327	313	308	307	301
65°	187	178	173	168	169	187
75°	85	86	87	85	84	92
85°	22	24	26	25	25	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	757.2	757.2	757.2	757.2	757.2
2.5°	759.7	757.4	756.4	756.1	757.8
5°	757.6	755.3	754.5	754.0	755.9
7.5°	754.3	751.7	750.9	750.2	751.9
10°	749.0	746.5	745.6	745.2	746.7
12.5°	741.4	739.1	738.4	737.8	739.7
15°	733.0	730.6	729.6	729.0	730.4
17.5°	722.0	720.1	718.8	718.8	720.1
20°	710.2	707.9	706.8	706.2	708.3
22.5°	695.7	694.2	692.9	691.9	694.2
25°	680.3	678.2	676.9	676.5	676.7
27.5°	662.8	661.3	659.6	659.0	659.4
30°	644.5	642.6	640.2	639.0	640.0
32.5°	624.0	621.3	619.4	618.1	619.6
35°	601.5	598.7	596.6	594.7	593.9
37.5°	575.8	574.9	572.0	568.6	568.4
40°	549.8	547.5	543.3	541.8	540.8
42.5°	522.0	517.2	512.7	508.5	507.0
45°	487.9	484.3	478.8	473.8	472.1
47.5°	452.9	448.3	443.0	434.1	433.1
50°	416.4	409.7	400.4	393.0	389.9
52.5°	378.5	369.4	356.6	350.3	348.6
55°	335.9	326.9	313.2	308.5	307.3
57.5°	298.0	284.7	273.5	268.3	270.0
60°	259.0	246.1	236.2	231.2	231.6
62.5°	220.9	210.7	203.4	198.5	199.2
65°	187.1	178.5	173.0	168.0	168.6
67.5°	154.1	150.0	146.0	143.1	141.4
70°	128.3	126.7	122.9	120.1	119.3
72.5°	105.0	106.0	102.8	102.0	101.8
75°	85.1	86.0	86.6	84.9	83.7
77.5°	68.1	69.3	71.9	69.5	69.1
80°	51.2	53.7	56.5	55.0	53.3
82.5°	35.8	39.0	41.5	39.6	38.8
85°	21.7	24.2	25.9	25.3	24.7
87.5°	9.7	10.5	11.4	11.6	11.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)