

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: P738039

Luminaire Tested: **22PT-20-PC3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738039
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-20-PC3-L830
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

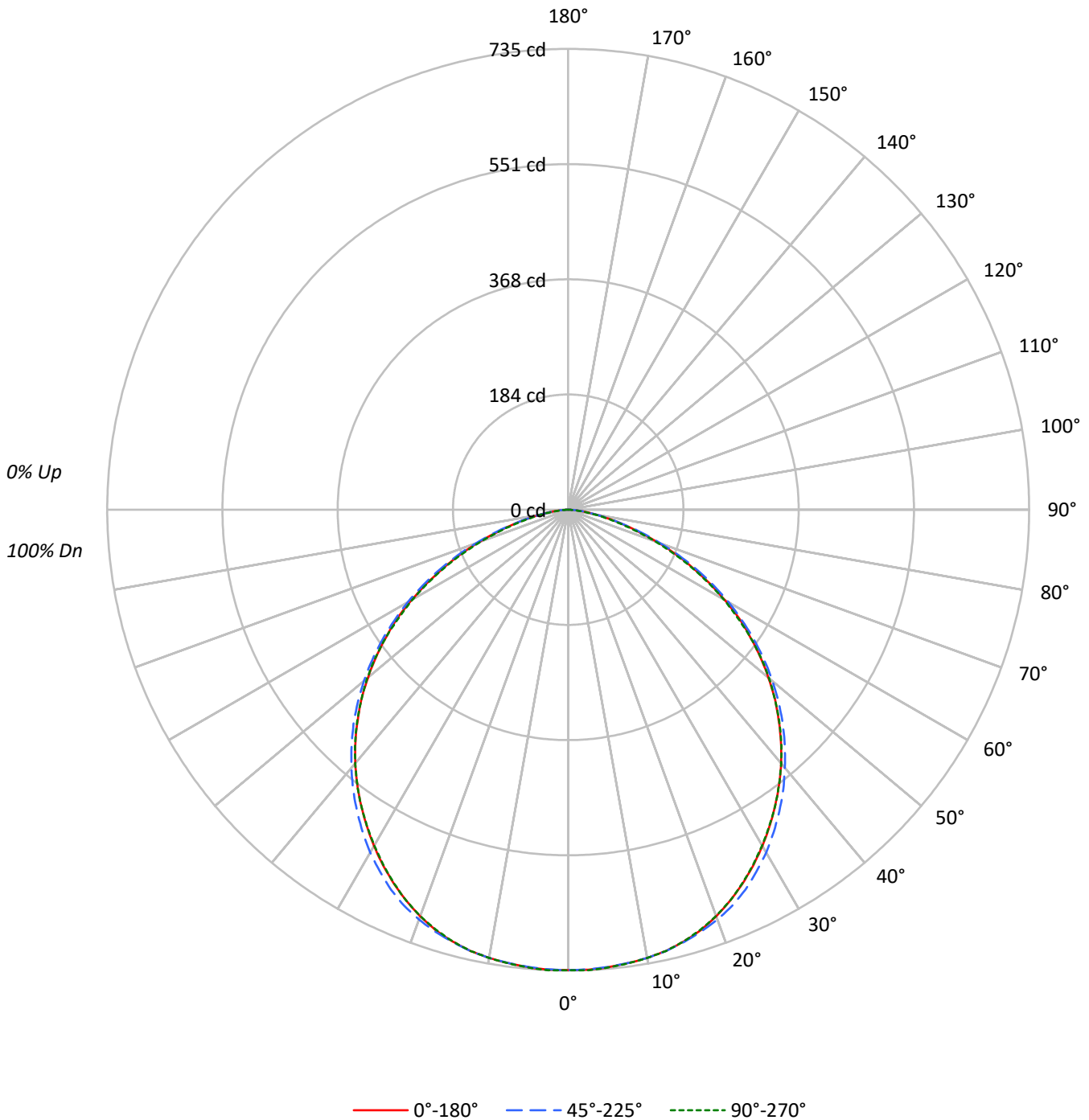
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1973.0 lumens
Efficiency: N/A
Efficacy: 133.3 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): 14.8
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°	2152	2152	2152
5°	2155	2153	2156
10°	2160	2159	2160
15°	2163	2165	2162
20°	2152	2169	2150
25°	2127	2162	2125
30°	2095	2136	2092
35°	2059	2100	2059
40°	2020	2056	2020
45°	1967	2006	1970
50°	1899	1937	1907
55°	1811	1847	1811
60°	1689	1732	1678
65°	1516	1569	1496
70°	1297	1342	1258
75°	1029	1057	976
80°	737	764	702
85°	487	501	457



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.7	3.5
10°-20°	201.3	10.2
20°-30°	305.4	15.5
30°-40°	364.7	18.5
40°-50°	370.9	18.8
50°-60°	320.8	16.3
60°-70°	220.7	11.2
70°-80°	100.2	5.1
80°-90°	19.4	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°	576.3	29.2
0°-40°	941.0	47.7
0°-60°	1632.7	82.8
0°-90°	1973.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1973.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	734	734	734	734	734	
5°	733	732	732	732	733	70
15°	713	713	714	713	713	201
25°	658	664	669	662	657	303
35°	576	586	587	585	576	360
45°	475	483	484	484	475	366
55°	355	361	362	361	355	317
65°	219	225	226	224	216	217
75°	91	94	93	92	86	98
85°	14	15	15	14	14	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	734.4	734.4	734.4	734.4	734.4
2.5°	734.4	733.5	733.7	734.0	735.3
5°	732.6	731.9	732.1	732.1	733.0
7.5°	729.5	729.3	729.3	729.0	729.8
10°	726.0	725.6	725.8	725.6	726.0
12.5°	720.7	720.7	720.9	720.2	720.7
15°	712.9	713.4	713.8	712.7	712.7
17.5°	703.1	704.3	705.5	703.4	702.2
20°	690.1	692.9	695.6	692.3	689.6
22.5°	674.9	679.5	683.8	678.6	674.9
25°	657.8	663.6	668.6	662.5	657.4
27.5°	639.3	645.9	650.5	645.4	638.4
30°	619.3	627.2	631.4	626.5	618.3
32.5°	597.8	607.1	609.7	606.6	597.3
35°	575.6	585.9	587.0	585.0	575.6
37.5°	552.5	562.3	563.2	562.0	552.5
40°	528.1	537.2	537.5	537.5	528.1
42.5°	502.3	511.1	511.1	510.8	502.9
45°	474.7	483.3	484.0	483.5	475.4
47.5°	447.3	453.9	455.0	454.1	446.9
50°	416.7	423.5	424.9	424.0	418.4
52.5°	386.3	392.7	394.1	393.4	387.1
55°	354.6	360.7	361.6	360.9	354.6
57.5°	324.0	328.0	328.9	327.5	319.6
60°	288.2	293.9	295.5	293.9	286.4
62.5°	253.7	259.7	261.2	258.8	250.9
65°	218.7	224.7	226.3	224.5	215.8
67.5°	185.5	189.9	191.3	189.2	181.2
70°	151.4	157.0	156.7	153.9	146.9
72.5°	117.8	125.4	124.0	122.4	114.7
75°	90.9	94.4	93.4	92.5	86.2
77.5°	64.9	69.1	66.8	67.0	61.7
80°	43.7	47.6	45.3	44.4	41.6
82.5°	27.8	29.4	29.0	28.5	25.9
85°	14.5	15.4	14.9	14.5	13.6
87.5°	5.6	6.1	5.6	5.6	5.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)