

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: P413046

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

Issue Date: 9/15/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413046  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-25-PC3-L830  
Description: 2500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

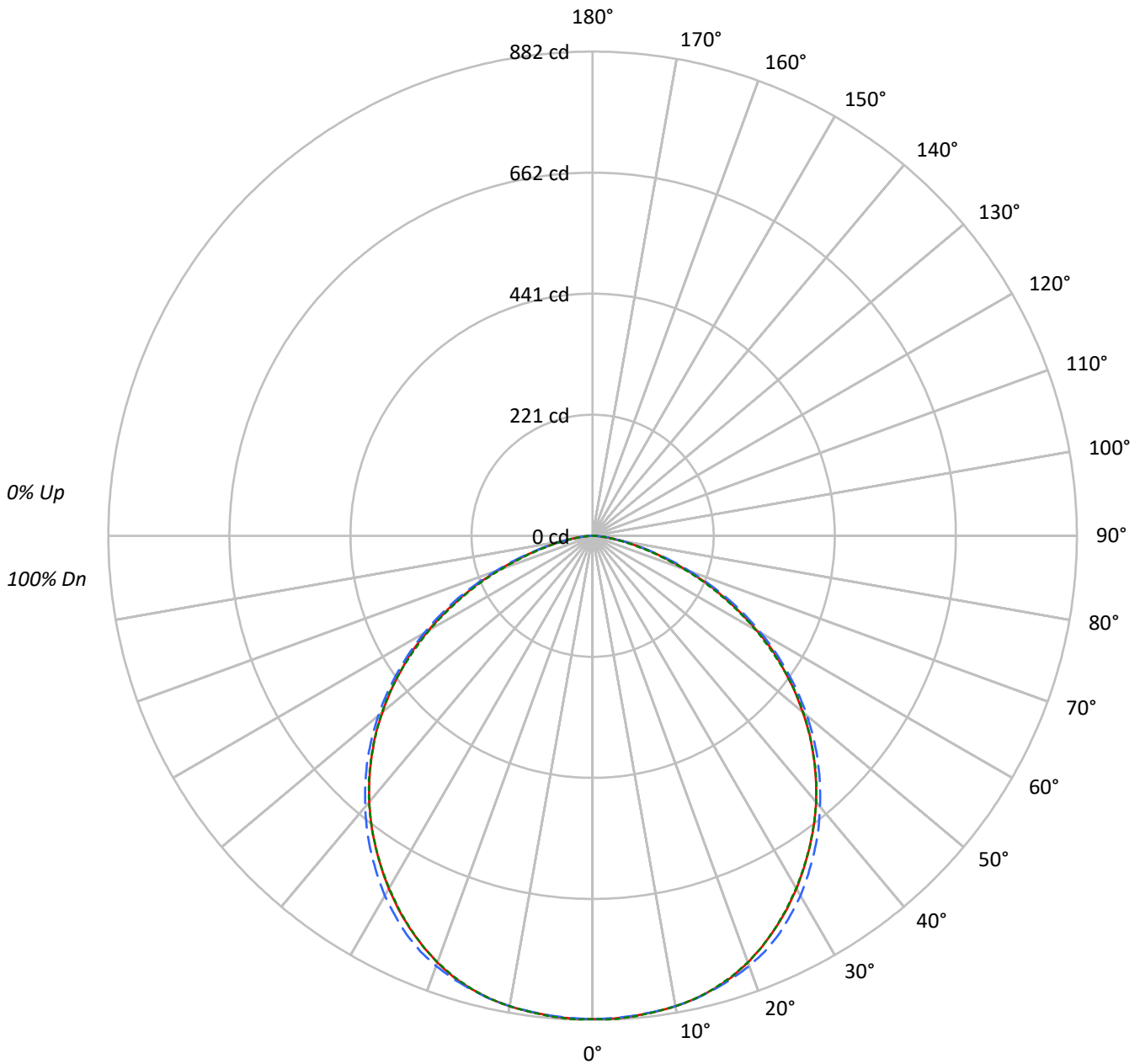
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2365.0 lumens  
Efficiency: N/A  
Efficacy: 118.8 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 19.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	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°	2369	2369	2369
5°	2372	2370	2374
10°	2378	2377	2378
15°	2381	2384	2380
20°	2369	2388	2367
25°	2341	2379	2339
30°	2307	2352	2303
35°	2266	2312	2266
40°	2224	2263	2224
45°	2165	2208	2168
50°	2091	2132	2099
55°	1994	2034	1994
60°	1859	1906	1848
65°	1669	1727	1647
70°	1427	1478	1386
75°	1132	1164	1074
80°	812	841	772
85°	537	553	500



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.5	3.5
10°-20°	241.3	10.2
20°-30°	366.0	15.5
30°-40°	437.1	18.5
40°-50°	444.6	18.8
50°-60°	384.5	16.3
60°-70°	264.6	11.2
70°-80°	120.1	5.1
80°-90°	23.2	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°	690.8	29.2
0°-40°	1128.0	47.7
0°-60°	1957.1	82.8
0°-90°	2365.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2365.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	880	880	880	880	880	
5°	878	877	878	878	879	84
15°	855	855	856	854	854	241
25°	788	796	801	794	788	363
35°	690	702	704	701	690	432
45°	569	579	580	580	570	439
55°	425	432	434	433	425	380
65°	262	269	271	269	259	260
75°	109	113	112	111	103	117
85°	17	18	18	17	16	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	880.3	880.3	880.3	880.3	<i>880.3</i>
2.5°	<i>880.3</i>	<i>879.2</i>	<i>879.5</i>	<i>879.8</i>	<i>881.5</i>
5°	878.1	877.3	877.5	877.5	<i>878.7</i>
7.5°	874.5	874.2	874.2	873.9	<i>874.7</i>
10°	870.3	869.7	870.0	869.7	<i>870.3</i>
12.5°	863.8	863.8	864.1	863.3	<i>863.8</i>
15°	854.6	855.1	855.7	854.3	<i>854.3</i>
17.5°	842.8	844.2	845.6	843.1	<i>841.7</i>
20°	827.1	830.5	833.9	829.9	<i>826.6</i>
22.5°	808.9	814.5	819.6	813.4	<i>808.9</i>
25°	788.5	795.5	801.4	794.1	<i>787.9</i>
27.5°	766.4	774.2	779.8	773.7	<i>765.3</i>
30°	742.3	751.8	756.9	751.0	<i>741.2</i>
32.5°	716.5	727.7	730.8	727.2	<i>716.0</i>
35°	689.9	702.3	703.7	701.1	<i>689.9</i>
37.5°	662.2	674.0	675.1	673.7	<i>662.2</i>
40°	633.1	644.0	644.3	644.3	<i>633.1</i>
42.5°	602.0	612.7	612.7	612.4	<i>602.9</i>
45°	569.0	579.3	580.2	579.6	<i>569.8</i>
47.5°	536.2	544.1	545.5	544.3	<i>535.7</i>
50°	499.5	507.7	509.3	508.2	<i>501.5</i>
52.5°	463.1	470.7	472.4	471.5	<i>464.0</i>
55°	425.1	432.3	433.5	432.6	<i>425.1</i>
57.5°	388.4	393.1	394.3	392.6	<i>383.1</i>
60°	345.5	352.2	354.2	352.2	<i>343.3</i>
62.5°	304.1	311.4	313.0	310.2	<i>300.7</i>
65°	262.1	269.4	271.3	269.1	<i>258.7</i>
67.5°	222.3	227.6	229.3	226.8	<i>217.3</i>
70°	181.4	188.2	187.9	184.5	<i>176.1</i>
72.5°	141.1	150.4	148.7	146.7	<i>137.5</i>
75°	108.9	113.1	112.0	110.9	<i>103.3</i>
77.5°	77.8	82.9	80.1	80.4	<i>73.9</i>
80°	52.4	57.1	54.3	53.2	<i>49.8</i>
82.5°	33.3	35.3	34.7	34.2	<i>31.1</i>
85°	17.4	18.5	17.9	17.4	<i>16.2</i>
87.5°	6.7	7.3	6.7	6.7	<i>6.2</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)