

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: P412464

Luminaire Tested: **22PD-80-PB1-L850**

Issue Date: 9/15/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P412464  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-80-PB1-L850  
Description: 8000 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 5000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

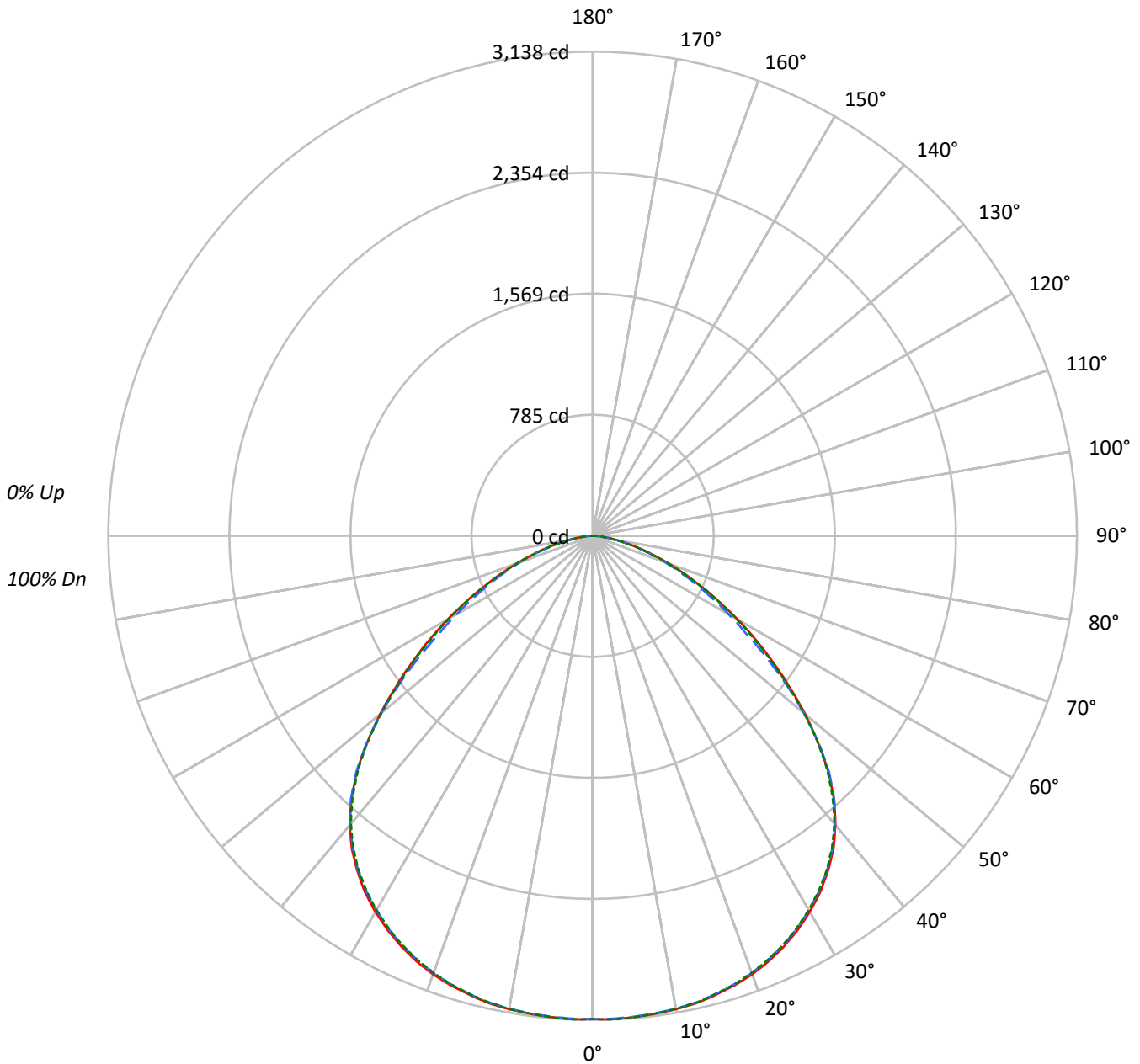
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8225.0 lumens  
Efficiency: N/A  
Efficacy: 112.1 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.4  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 73.4  
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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CATALOG NUMBER: 22PD-80-PB1-L850

### 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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86																			
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76	73																			
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63																			
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54																			
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47																			
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42																			
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37																			
8	63	50	41	36	61	49	41	36	48	40	35	46	40	35	45	39	35	33																			
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30																			
10	55	42	34	29	54	41	34	29	41	34	29	40	33	29	39	33	29	27																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	8431	8431	8431
5°	8458	8450	8460
10°	8513	8502	8508
15°	8582	8569	8569
20°	8661	8636	8630
25°	8715	8690	8681
30°	8744	8708	8702
35°	8726	8701	8685
40°	8596	8586	8559
45°	8217	8243	8181
50°	7523	7482	7474
55°	6685	6449	6640
60°	5829	5475	5793
65°	4941	4676	4916
70°	4085	3917	4047
75°	3303	3092	3173
80°	2386	2312	2297
85°	1556	1556	1494



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	298.1	3.6
10°-20°	869.4	10.6
20°-30°	1349.1	16.4
30°-40°	1654.3	20.1
40°-50°	1653.7	20.1
50°-60°	1252.7	15.2
60°-70°	751.3	9.1
70°-80°	330.8	4.0
80°-90°	65.6	0.8
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°	2516.5	30.6
0°-40°	4170.9	50.7
0°-60°	7077.3	86.0
0°-90°	8225.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8225.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3133	3133	3133	3133	3133	
5°	3131	3127	3128	3127	3132	298
15°	3081	3078	3076	3074	3076	871
25°	2935	2930	2927	2922	2924	1353
35°	2656	2655	2648	2647	2644	1659
45°	2159	2162	2166	2160	2150	1653
55°	1425	1394	1375	1393	1415	1277
65°	776	749	734	747	772	776
75°	318	311	297	302	305	339
85°	50	52	50	48	48	67
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3132.9	3132.9	3132.9	3132.9	<i>3132.9</i>
2.5°	<i>3135.8</i>	<i>3131.0</i>	<i>3131.9</i>	<i>3131.9</i>	<i>3137.7</i>
5°	3131.0	3127.1	3128.1	3127.1	<i>3131.9</i>
7.5°	3124.2	3120.3	3121.3	3120.3	<i>3123.2</i>
10°	3115.5	3111.6	3111.6	3109.6	<i>3113.5</i>
12.5°	3103.8	3099.0	3097.1	3096.1	<i>3099.0</i>
15°	3080.6	3077.7	3075.7	3073.8	<i>3075.7</i>
17.5°	3055.4	3050.6	3048.6	3044.7	<i>3048.6</i>
20°	3024.4	3017.6	3015.7	3012.8	<i>3013.7</i>
22.5°	2983.7	2977.9	2975.0	2970.1	<i>2972.1</i>
25°	2935.3	2929.5	2926.6	2921.7	<i>2923.6</i>
27.5°	2879.1	2875.2	2868.4	2864.6	<i>2865.5</i>
30°	2814.2	2810.3	2802.6	2800.6	<i>2800.6</i>
32.5°	2742.5	2737.6	2730.9	2728.9	<i>2728.0</i>
35°	2656.3	2655.3	2648.5	2646.6	<i>2643.7</i>
37.5°	2562.3	2560.4	2552.6	2550.7	<i>2547.8</i>
40°	2447.0	2445.1	2444.1	2440.2	<i>2436.4</i>
42.5°	2313.3	2316.2	2318.2	2310.4	<i>2302.7</i>
45°	2159.3	2162.2	2166.1	2160.3	<i>2149.6</i>
47.5°	1979.1	1990.8	1984.9	1988.8	<i>1978.2</i>
50°	1797.0	1797.0	1787.3	1791.2	<i>1785.4</i>
52.5°	1606.2	1590.7	1579.0	1586.8	<i>1594.5</i>
55°	1425.0	1394.0	1374.6	1393.0	<i>1415.3</i>
57.5°	1251.6	1214.8	1179.0	1208.0	<i>1235.1</i>
60°	1083.0	1040.4	1017.2	1038.5	<i>1076.3</i>
62.5°	923.2	892.2	869.0	885.4	<i>917.4</i>
65°	776.0	748.8	734.3	746.9	<i>772.1</i>
67.5°	641.3	622.9	608.4	619.0	<i>638.4</i>
70°	519.2	514.4	497.9	502.8	<i>514.4</i>
72.5°	407.8	406.9	392.3	396.2	<i>403.0</i>
75°	317.7	311.0	297.4	302.2	<i>305.2</i>
77.5°	224.7	227.7	215.1	218.0	<i>218.0</i>
80°	154.0	158.9	149.2	147.2	<i>148.2</i>
82.5°	97.8	97.8	96.9	95.9	<i>93.0</i>
85°	50.4	52.3	50.4	48.4	<i>48.4</i>
87.5°	19.4	19.4	19.4	18.4	<i>17.4</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)