

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: P413056

Luminaire Tested: **22PD-30-PC3-L835**

Issue Date: 9/15/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P413056  
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-30-PC3-L835  
Description: 3000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS  
Light Source: -  
Ballast/Driver: -

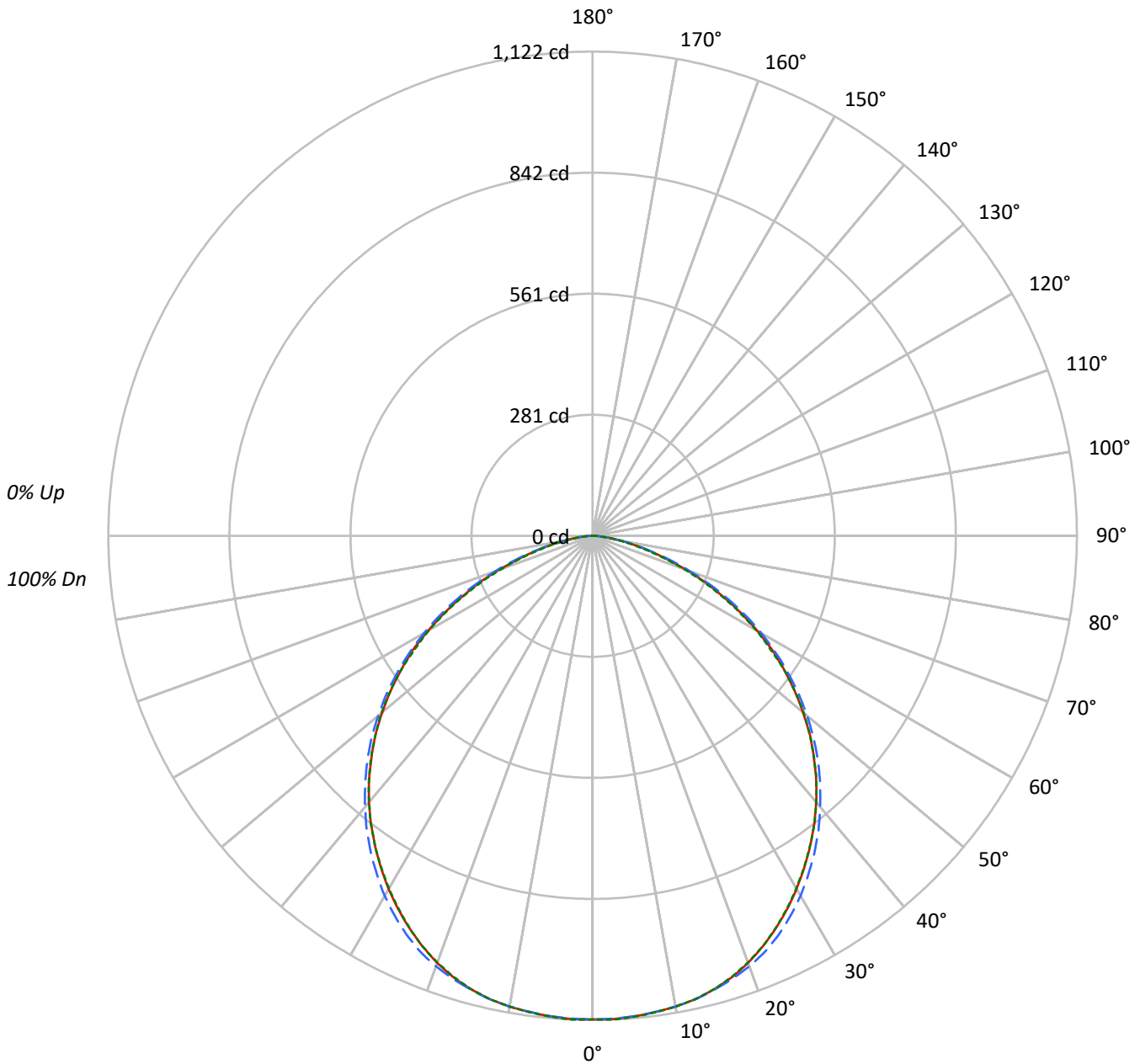
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3011.0 lumens  
Efficiency: N/A  
Efficacy: 122.4 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): 24.6  
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				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	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°	3016	3016	3016
5°	3020	3018	3022
10°	3028	3027	3028
15°	3031	3035	3030
20°	3016	3040	3014
25°	2981	3029	2979
30°	2937	2994	2932
35°	2886	2943	2886
40°	2831	2882	2831
45°	2757	2811	2761
50°	2663	2715	2673
55°	2539	2589	2539
60°	2368	2427	2352
65°	2125	2199	2097
70°	1817	1882	1764
75°	1442	1483	1367
80°	1034	1072	984
85°	682	704	639



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.3	3.5
10°-20°	307.2	10.2
20°-30°	466.0	15.5
30°-40°	556.5	18.5
40°-50°	566.0	18.8
50°-60°	489.6	16.3
60°-70°	336.9	11.2
70°-80°	152.9	5.1
80°-90°	29.6	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°	879.5	29.2
0°-40°	1436.1	47.7
0°-60°	2491.6	82.8
0°-90°	3011.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3011.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1121	1121	1121	1121	1121	
5°	1118	1117	1117	1117	1119	106
15°	1088	1089	1089	1088	1088	307
25°	1004	1013	1020	1011	1003	462
35°	878	894	896	893	878	549
45°	724	738	739	738	726	559
55°	541	550	552	551	541	484
65°	334	343	345	343	329	331
75°	139	144	143	141	132	149
85°	22	24	23	22	21	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1120.8	1120.8	1120.8	1120.8	<i>1120.8</i>
2.5°	<i>1120.8</i>	<i>1119.4</i>	<i>1119.7</i>	<i>1120.1</i>	<i>1122.2</i>
5°	1118.0	1116.9	1117.2	1117.2	<i>1118.7</i>
7.5°	1113.3	1113.0	1113.0	1112.6	<i>1113.7</i>
10°	1108.0	1107.3	1107.6	1107.3	<i>1108.0</i>
12.5°	1099.8	1099.8	1100.1	1099.1	<i>1099.8</i>
15°	1088.0	1088.7	1089.4	1087.7	<i>1087.7</i>
17.5°	1073.0	1074.8	1076.6	1073.4	<i>1071.6</i>
20°	1053.1	1057.4	1061.6	1056.6	<i>1052.4</i>
22.5°	1029.9	1037.0	1043.5	1035.6	<i>1029.9</i>
25°	1003.9	1012.8	1020.3	1011.0	<i>1003.2</i>
27.5°	975.7	985.7	992.8	985.0	<i>974.3</i>
30°	945.1	957.2	963.6	956.1	<i>943.6</i>
32.5°	912.3	926.5	930.4	925.8	<i>911.5</i>
35°	878.4	894.1	895.9	892.7	<i>878.4</i>
37.5°	843.1	858.1	859.5	857.7	<i>843.1</i>
40°	806.0	819.9	820.3	820.3	<i>806.0</i>
42.5°	766.5	780.0	780.0	779.6	<i>767.5</i>
45°	724.4	737.6	738.7	737.9	<i>725.5</i>
47.5°	682.7	692.7	694.4	693.0	<i>682.0</i>
50°	636.0	646.3	648.5	647.0	<i>638.5</i>
52.5°	589.6	599.3	601.4	600.3	<i>590.7</i>
55°	541.2	550.4	551.8	550.8	<i>541.2</i>
57.5°	494.5	500.5	501.9	499.8	<i>487.7</i>
60°	439.9	448.5	451.0	448.5	<i>437.1</i>
62.5°	387.2	396.4	398.6	395.0	<i>382.9</i>
65°	333.7	342.9	345.4	342.6	<i>329.4</i>
67.5°	283.1	289.8	292.0	288.8	<i>276.6</i>
70°	231.0	239.6	239.2	234.9	<i>224.2</i>
72.5°	179.7	191.4	189.3	186.8	<i>175.0</i>
75°	138.7	144.0	142.6	141.2	<i>131.5</i>
77.5°	99.1	105.5	102.0	102.3	<i>94.1</i>
80°	66.7	72.7	69.2	67.7	<i>63.5</i>
82.5°	42.4	44.9	44.2	43.5	<i>39.6</i>
85°	22.1	23.5	22.8	22.1	<i>20.7</i>
87.5°	8.6	9.3	8.6	8.6	<i>7.8</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)