

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: P412965

Luminaire Tested: **14PD-25-PC3-L830**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412965
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-57)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-25-PC3-L830
Description: 2500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

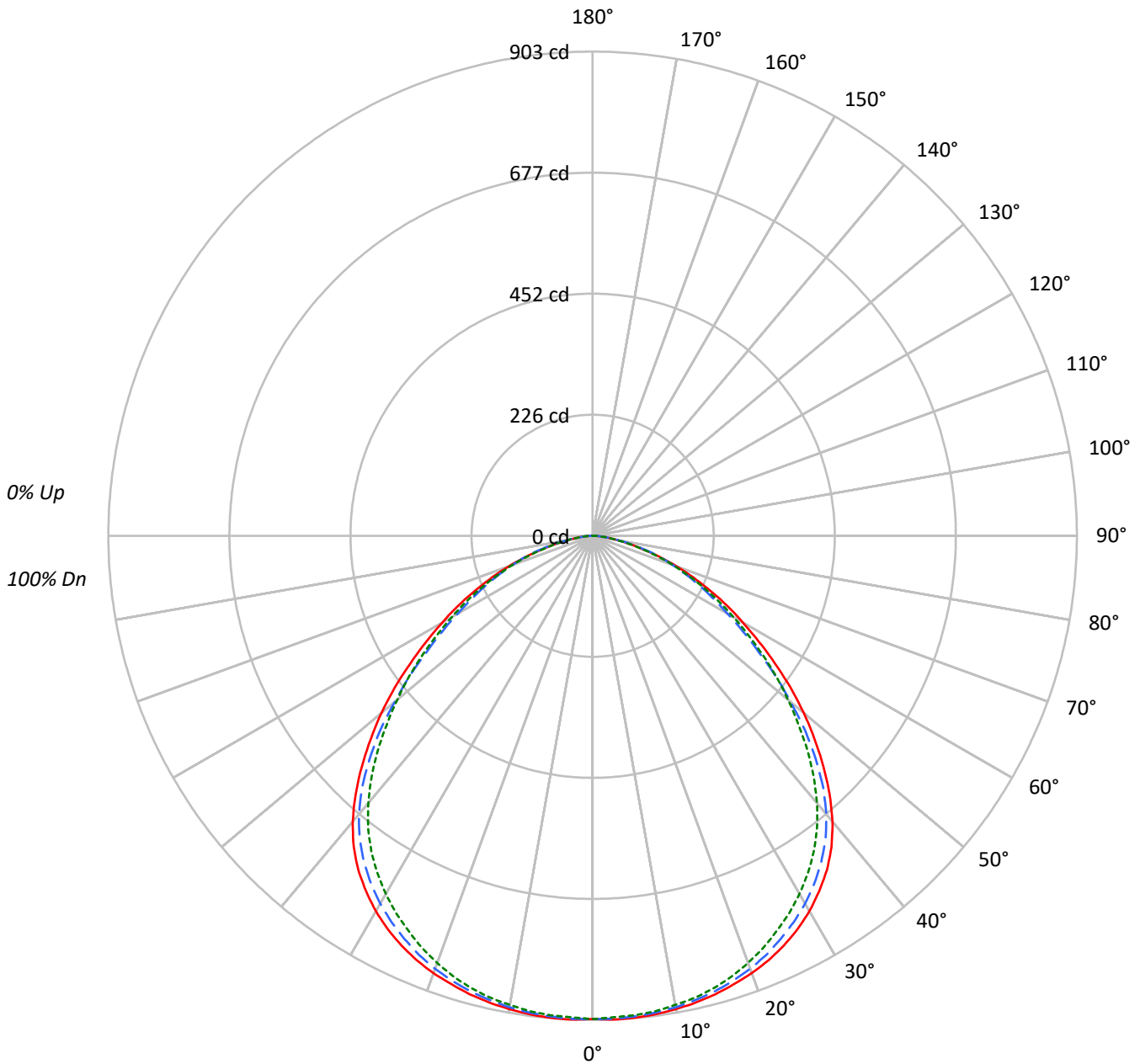
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2329.0 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.7
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									
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	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73																			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62																			
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54																			
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	53	49	47																			
6	72	60	51	45	70	59	50	45	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°	2425	2425	2425
5°	2438	2431	2425
10°	2449	2440	2428
15°	2466	2450	2433
20°	2486	2461	2428
25°	2504	2464	2414
30°	2512	2462	2397
35°	2501	2441	2362
40°	2445	2381	2286
45°	2317	2238	2156
50°	2151	2014	1990
55°	1947	1775	1814
60°	1742	1563	1632
65°	1536	1401	1450
70°	1308	1242	1251
75°	1005	1059	976
80°	736	773	730
85°	494	543	531



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.6	3.7
10°-20°	248.3	10.7
20°-30°	381.8	16.4
30°-40°	462.0	19.8
40°-50°	451.1	19.4
50°-60°	348.6	15.0
60°-70°	223.8	9.6
70°-80°	105.6	4.5
80°-90°	22.2	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°	715.7	30.7
0°-40°	1177.7	50.6
0°-60°	1977.4	84.9
0°-90°	2329.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2329.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	901	901	901	901	901	
5°	902	898	900	899	898	86
15°	885	881	880	876	873	250
25°	843	836	830	819	813	389
35°	761	753	743	726	719	475
45°	609	601	588	573	566	468
55°	415	395	378	379	387	372
65°	241	227	220	218	228	240
75°	97	98	102	94	94	106
85°	16	18	18	17	17	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	901.2	901.2	901.2	901.2	901.2
2.5°	903.2	899.6	901.6	901.6	898.8
5°	902.4	898.4	900.0	899.2	897.6
7.5°	900.0	896.0	897.2	896.4	894.4
10°	896.4	892.0	892.8	891.2	888.4
12.5°	891.6	887.6	886.8	884.4	882.4
15°	885.2	880.8	879.6	876.5	873.3
17.5°	876.9	872.5	870.5	865.7	862.1
20°	868.1	862.9	859.3	852.1	847.7
22.5°	856.9	850.9	846.1	836.1	831.7
25°	843.3	836.5	829.7	818.9	812.9
27.5°	827.3	820.1	812.1	800.2	793.4
30°	808.5	801.3	792.2	778.6	771.4
32.5°	786.2	779.0	769.4	753.8	746.6
35°	761.4	753.4	743.0	726.2	719.1
37.5°	731.8	723.1	713.5	695.1	687.5
40°	695.9	688.3	677.9	659.5	650.7
42.5°	654.3	647.6	636.0	618.4	610.0
45°	608.8	601.2	588.0	572.8	566.5
47.5°	561.3	550.1	537.3	524.1	520.5
50°	513.7	499.3	481.0	474.2	475.4
52.5°	465.0	446.6	430.6	425.4	431.4
55°	415.1	395.1	378.3	378.7	386.7
57.5°	367.5	346.7	332.8	332.8	343.2
60°	323.6	304.4	290.4	290.0	303.2
62.5°	282.8	263.3	252.9	252.9	264.9
65°	241.3	226.9	220.1	217.7	227.7
67.5°	202.9	192.9	188.2	185.4	191.7
70°	166.2	159.8	157.8	154.6	159.0
72.5°	129.8	128.2	132.2	124.6	126.6
75°	96.7	98.3	101.9	93.5	93.9
77.5°	69.5	72.7	73.9	69.9	69.9
80°	47.5	51.5	49.9	47.9	47.1
82.5°	30.4	32.4	32.4	31.2	30.4
85°	16.0	18.4	17.6	17.2	17.2
87.5°	6.0	8.4	8.4	8.0	7.6
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







(END OF REPORT)