

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: P413262

Luminaire Tested: **24PD-80-PC3-L830**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413262
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-46)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-80-PC3-L830
Description: 8000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

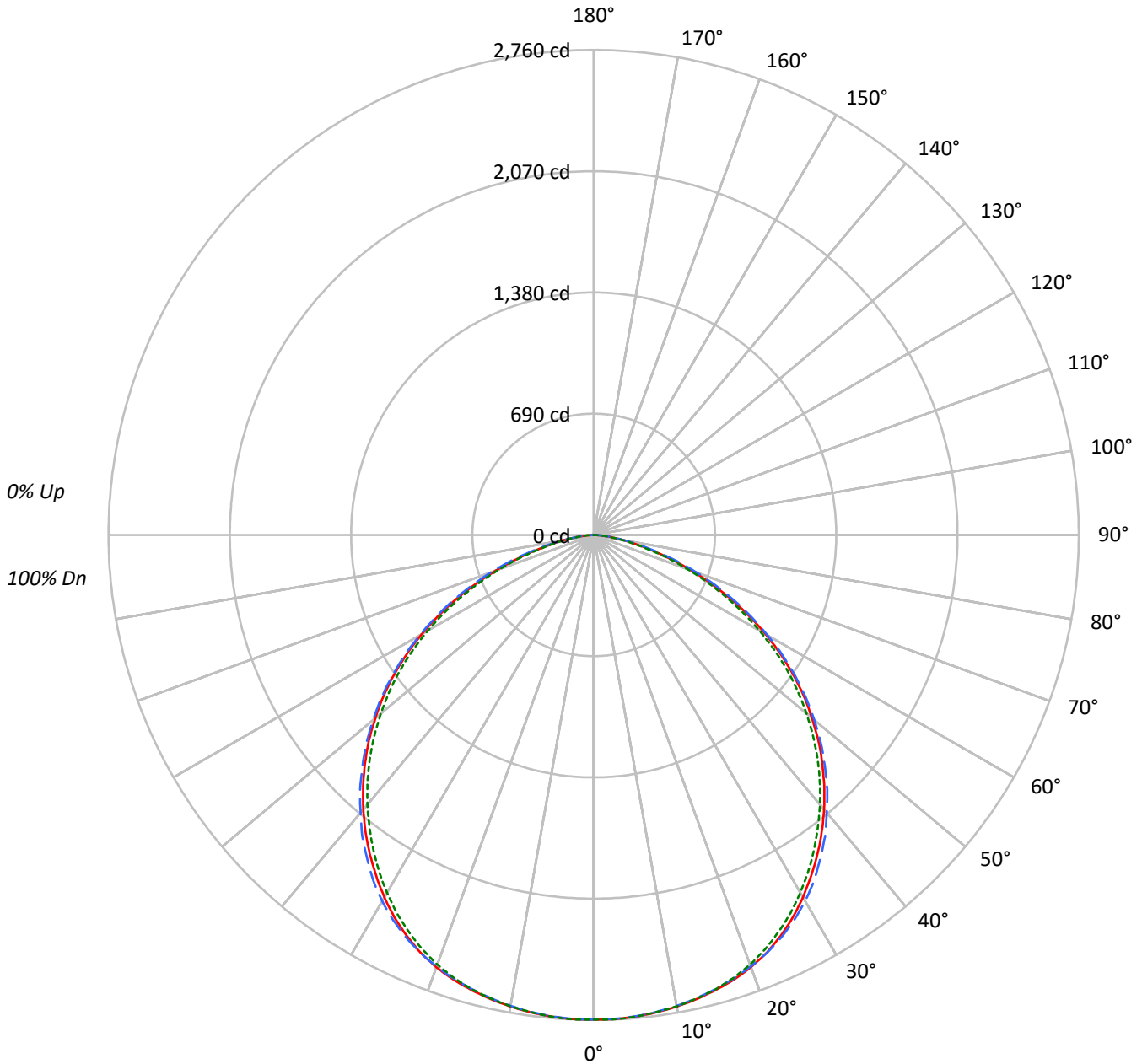
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7539.0 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 61.2
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	109	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	75	80	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	42	37	35																			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3711	3711	3711
5°	3716	3714	3717
10°	3723	3718	3721
15°	3735	3728	3729
20°	3748	3742	3726
25°	3737	3751	3699
30°	3700	3739	3654
35°	3646	3692	3590
40°	3582	3625	3517
45°	3501	3539	3428
50°	3392	3430	3309
55°	3253	3282	3156
60°	3037	3072	2932
65°	2736	2805	2629
70°	2323	2426	2230
75°	1799	1930	1716
80°	1338	1397	1213
85°	826	885	767



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.6	3.5
10°-20°	756.4	10.0
20°-30°	1158.4	15.4
30°-40°	1393.5	18.5
40°-50°	1421.0	18.8
50°-60°	1231.9	16.3
60°-70°	854.1	11.3
70°-80°	390.1	5.2
80°-90°	72.0	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°	2176.4	28.9
0°-40°	3569.9	47.4
0°-60°	6222.8	82.5
0°-90°	7539.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7539.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2758	2758	2758	2758	2758	
5°	2751	2751	2750	2748	2752	262
15°	2682	2681	2676	2674	2677	758
25°	2518	2524	2527	2504	2492	1159
35°	2220	2243	2248	2219	2186	1388
45°	1840	1863	1860	1834	1802	1418
55°	1387	1395	1399	1365	1346	1236
65°	860	878	881	851	826	850
75°	346	365	371	359	330	379
85°	54	55	57	54	50	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2758.2	2758.2	2758.2	2758.2	2758.2
2.5°	2758.2	2758.2	2756.6	2755.1	2759.7
5°	2751.3	2751.3	2749.7	2748.2	2752.0
7.5°	2740.6	2739.8	2738.3	2736.8	2739.1
10°	2725.3	2724.5	2721.5	2720.7	2723.8
12.5°	2706.2	2705.4	2700.8	2700.8	2703.1
15°	2681.7	2681.0	2676.4	2674.1	2677.2
17.5°	2654.2	2653.5	2648.1	2642.0	2643.5
20°	2617.6	2617.6	2613.7	2604.6	2602.3
22.5°	2573.3	2575.5	2575.5	2558.0	2551.1
25°	2517.5	2524.4	2526.6	2504.5	2491.5
27.5°	2454.1	2464.8	2470.9	2442.6	2425.8
30°	2381.5	2399.1	2406.7	2376.1	2351.7
32.5°	2302.0	2324.2	2333.4	2303.6	2272.2
35°	2219.5	2243.2	2247.8	2218.7	2185.9
37.5°	2131.6	2156.1	2162.2	2136.2	2095.7
40°	2039.2	2063.6	2063.6	2042.3	2002.5
42.5°	1941.4	1967.4	1966.6	1940.6	1904.7
45°	1839.8	1862.7	1859.7	1834.4	1801.6
47.5°	1735.1	1749.6	1753.5	1723.7	1692.3
50°	1620.5	1635.0	1638.8	1605.2	1580.8
52.5°	1507.4	1516.6	1521.9	1483.0	1465.4
55°	1386.7	1395.1	1398.9	1364.6	1345.5
57.5°	1259.1	1269.8	1274.4	1240.0	1218.6
60°	1128.5	1139.9	1141.5	1109.4	1089.5
62.5°	995.5	1010.8	1013.9	981.8	958.1
65°	859.5	877.9	880.9	851.1	825.9
67.5°	723.5	748.0	748.8	724.3	694.5
70°	590.6	617.3	616.6	595.9	566.9
72.5°	463.8	488.2	493.6	474.5	446.2
75°	346.1	365.2	371.3	359.1	330.1
77.5°	246.0	263.6	268.9	257.5	236.1
80°	172.7	173.4	180.3	171.1	156.6
82.5°	107.0	105.4	107.7	103.9	95.5
85°	53.5	55.0	57.3	54.2	49.7
87.5°	18.3	19.1	20.6	20.6	18.3
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)