

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: P413263

Luminaire Tested: **24PD-80-PC3-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413263
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-L835
Description: 8000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

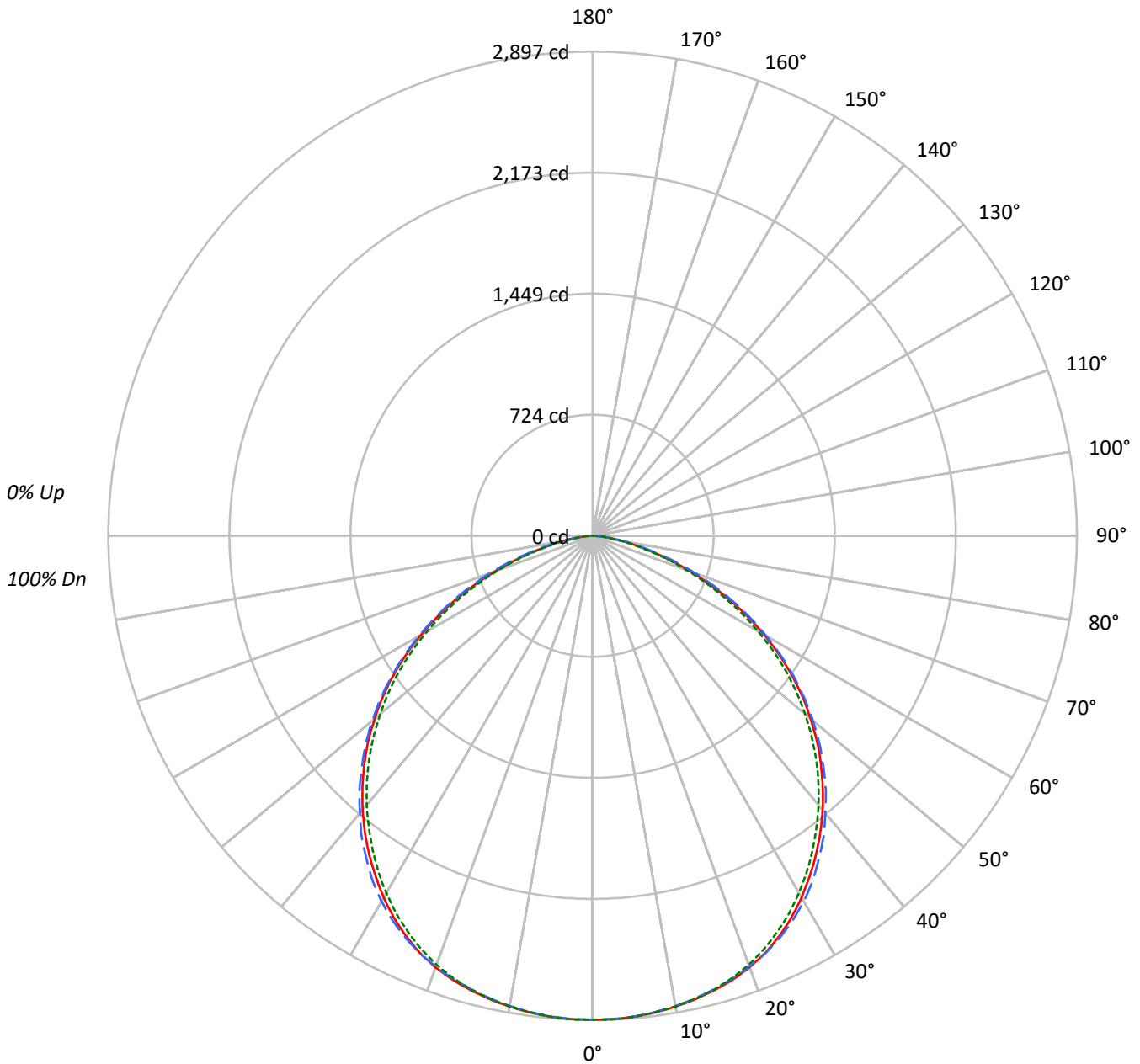
Lumens per Lamp: N/A
Luminaire Lumens: 7913.0 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	3895	3895	3895
5°	3900	3898	3901
10°	3908	3903	3906
15°	3921	3913	3914
20°	3934	3928	3911
25°	3923	3937	3882
30°	3883	3925	3835
35°	3826	3875	3768
40°	3759	3804	3692
45°	3675	3714	3598
50°	3560	3601	3473
55°	3414	3444	3313
60°	3187	3224	3077
65°	2872	2944	2760
70°	2439	2546	2341
75°	1889	2026	1801
80°	1404	1467	1274
85°	866	928	804



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.6	3.5
10°-20°	793.9	10.0
20°-30°	1215.8	15.4
30°-40°	1462.7	18.5
40°-50°	1491.5	18.8
50°-60°	1293.0	16.3
60°-70°	896.4	11.3
70°-80°	409.4	5.2
80°-90°	75.6	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°	2284.4	28.9
0°-40°	3747.0	47.4
0°-60°	6531.5	82.5
0°-90°	7913.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7913.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2895	2895	2895	2895	2895	
5°	2888	2888	2886	2885	2889	275
15°	2815	2814	2809	2807	2810	795
25°	2642	2650	2652	2629	2615	1217
35°	2330	2354	2359	2329	2294	1457
45°	1931	1955	1952	1925	1891	1488
55°	1456	1464	1468	1432	1412	1297
65°	902	921	925	893	867	892
75°	363	383	390	377	346	397
85°	56	58	60	57	52	76
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2895.0	2895.0	2895.0	2895.0	2895.0
2.5°	2895.0	2895.0	2893.4	2891.8	2896.6
5°	2887.8	2887.8	2886.2	2884.6	2888.6
7.5°	2876.5	2875.7	2874.1	2872.5	2874.9
10°	2860.5	2859.7	2856.5	2855.7	2858.9
12.5°	2840.4	2839.6	2834.8	2834.8	2837.2
15°	2814.8	2814.0	2809.2	2806.8	2810.0
17.5°	2785.9	2785.1	2779.5	2773.1	2774.7
20°	2747.4	2747.4	2743.4	2733.8	2731.4
22.5°	2700.9	2703.3	2703.3	2684.9	2677.7
25°	2642.4	2649.6	2652.0	2628.7	2615.1
27.5°	2575.8	2587.0	2593.5	2563.8	2546.1
30°	2499.6	2518.1	2526.1	2494.0	2468.4
32.5°	2416.2	2439.5	2449.1	2417.8	2384.9
35°	2329.6	2354.5	2359.3	2328.8	2294.3
37.5°	2237.4	2263.1	2269.5	2242.2	2199.7
40°	2140.4	2166.0	2166.0	2143.6	2101.9
42.5°	2037.7	2065.0	2064.2	2036.9	1999.2
45°	1931.1	1955.1	1951.9	1925.4	1891.0
47.5°	1821.2	1836.4	1840.4	1809.2	1776.3
50°	1700.9	1716.1	1720.1	1684.9	1659.2
52.5°	1582.2	1591.8	1597.5	1556.6	1538.1
55°	1455.5	1464.3	1468.3	1432.3	1412.2
57.5°	1321.6	1332.8	1337.6	1301.5	1279.1
60°	1184.5	1196.5	1198.1	1164.4	1143.6
62.5°	1044.9	1061.0	1064.2	1030.5	1005.6
65°	902.2	921.4	924.6	893.4	866.9
67.5°	759.4	785.1	785.9	760.2	729.0
70°	619.9	648.0	647.2	625.5	595.0
72.5°	486.8	512.4	518.0	498.0	468.3
75°	363.3	383.3	389.7	376.9	346.4
77.5°	258.2	276.7	282.3	270.3	247.8
80°	181.2	182.0	189.3	179.6	164.4
82.5°	112.3	110.7	113.1	109.1	100.2
85°	56.1	57.7	60.1	56.9	52.1
87.5°	19.2	20.0	21.7	21.7	19.2
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)