

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: P413038

Luminaire Tested: **22PD-20-PC3-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413038
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-20-PC3-L835
Description: 2000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

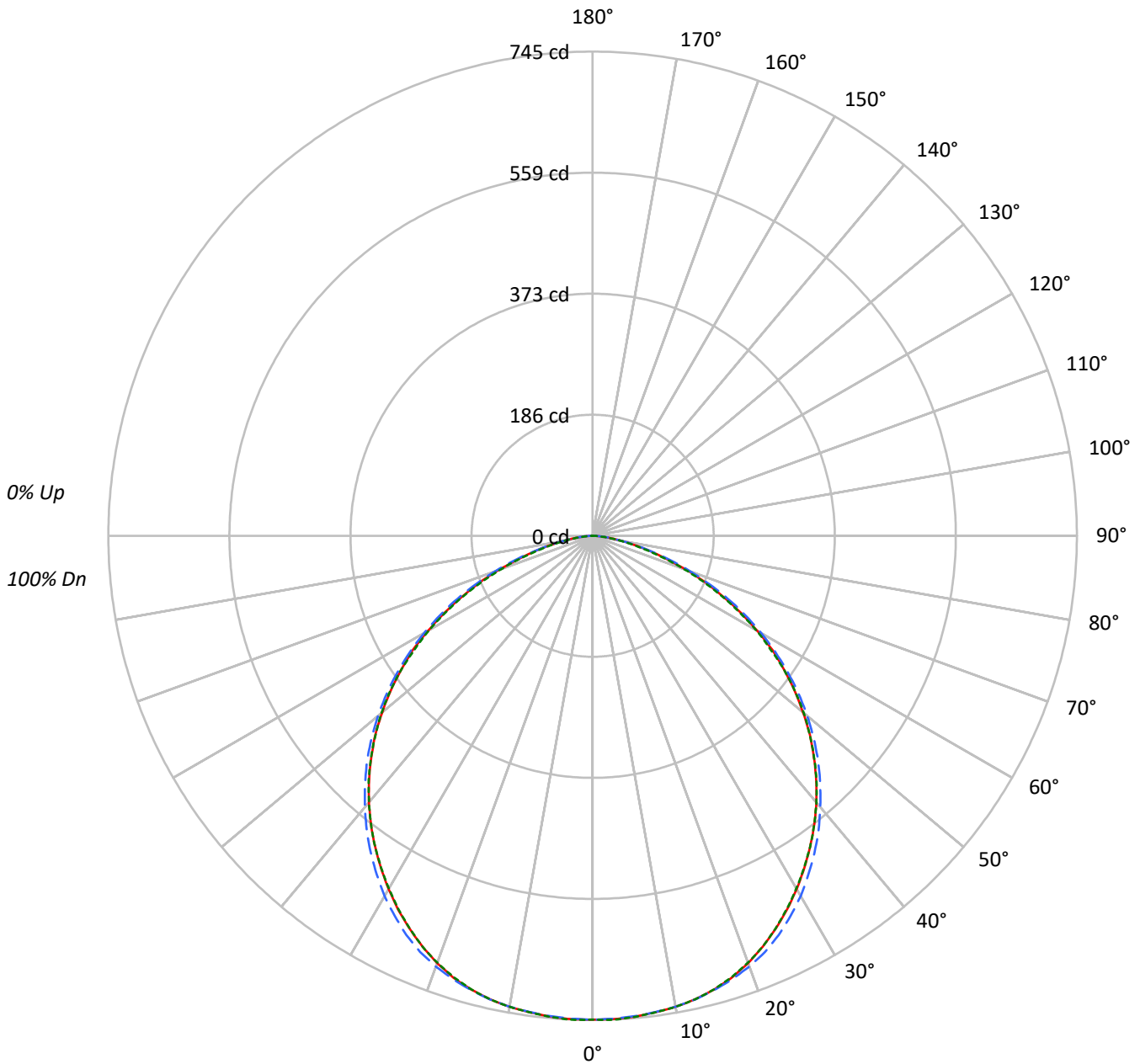
Lumens per Lamp: N/A
Luminaire Lumens: 2000.0 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.1
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	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°	2003	2003	2003
5°	2006	2005	2007
10°	2011	2010	2011
15°	2013	2016	2013
20°	2003	2019	2002
25°	1980	2012	1978
30°	1950	1989	1948
35°	1917	1955	1917
40°	1881	1914	1881
45°	1831	1867	1834
50°	1768	1803	1775
55°	1687	1720	1687
60°	1573	1612	1562
65°	1411	1461	1393
70°	1207	1250	1172
75°	958	985	909
80°	687	711	652
85°	454	469	423



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.6	3.5
10°-20°	204.0	10.2
20°-30°	309.5	15.5
30°-40°	369.7	18.5
40°-50°	376.0	18.8
50°-60°	325.2	16.3
60°-70°	223.8	11.2
70°-80°	101.6	5.1
80°-90°	19.7	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°	584.2	29.2
0°-40°	953.9	47.7
0°-60°	1655.0	82.8
0°-90°	2000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2000.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	744	744	744	744	744	
5°	743	742	742	742	743	71
15°	723	723	724	722	722	204
25°	667	673	678	672	666	307
35°	584	594	595	593	584	365
45°	481	490	491	490	482	371
55°	360	366	367	366	360	321
65°	222	228	230	228	219	220
75°	92	96	95	94	87	99
85°	15	16	15	15	14	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	744.5	744.5	744.5	744.5	744.5
2.5°	744.5	743.5	743.8	744.0	745.4
5°	742.6	741.9	742.1	742.1	743.1
7.5°	739.5	739.3	739.3	739.0	739.7
10°	736.0	735.5	735.7	735.5	736.0
12.5°	730.5	730.5	730.7	730.0	730.5
15°	722.7	723.2	723.6	722.5	722.5
17.5°	712.7	713.9	715.1	713.0	711.8
20°	699.5	702.3	705.2	701.9	699.0
22.5°	684.1	688.8	693.1	687.9	684.1
25°	666.8	672.7	677.7	671.5	666.3
27.5°	648.1	654.7	659.5	654.3	647.2
30°	627.7	635.8	640.1	635.1	626.8
32.5°	606.0	615.4	618.0	615.0	605.5
35°	583.5	593.9	595.1	592.9	583.5
37.5°	560.0	570.0	570.9	569.7	560.0
40°	535.4	544.6	544.9	544.9	535.4
42.5°	509.1	518.1	518.1	517.9	509.8
45°	481.2	489.9	490.6	490.2	481.9
47.5°	453.5	460.1	461.3	460.3	453.0
50°	422.4	429.3	430.7	429.8	424.1
52.5°	391.7	398.0	399.5	398.8	392.4
55°	359.5	365.6	366.6	365.8	359.5
57.5°	328.4	332.5	333.4	332.0	323.9
60°	292.2	297.9	299.5	297.9	290.3
62.5°	257.2	263.3	264.7	262.4	254.3
65°	221.6	227.8	229.5	227.6	218.8
67.5°	188.0	192.5	193.9	191.8	183.8
70°	153.4	159.1	158.9	156.0	148.9
72.5°	119.3	127.2	125.7	124.1	116.3
75°	92.1	95.7	94.7	93.8	87.4
77.5°	65.8	70.1	67.7	68.0	62.5
80°	44.3	48.3	45.9	45.0	42.1
82.5°	28.2	29.8	29.4	28.9	26.3
85°	14.7	15.6	15.2	14.7	13.7
87.5°	5.7	6.2	5.7	5.7	5.2
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)