

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: P412273

Luminaire Tested: **14PD-20-PB1-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412273
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-56)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-20-PB1-L835
Description: 2000 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

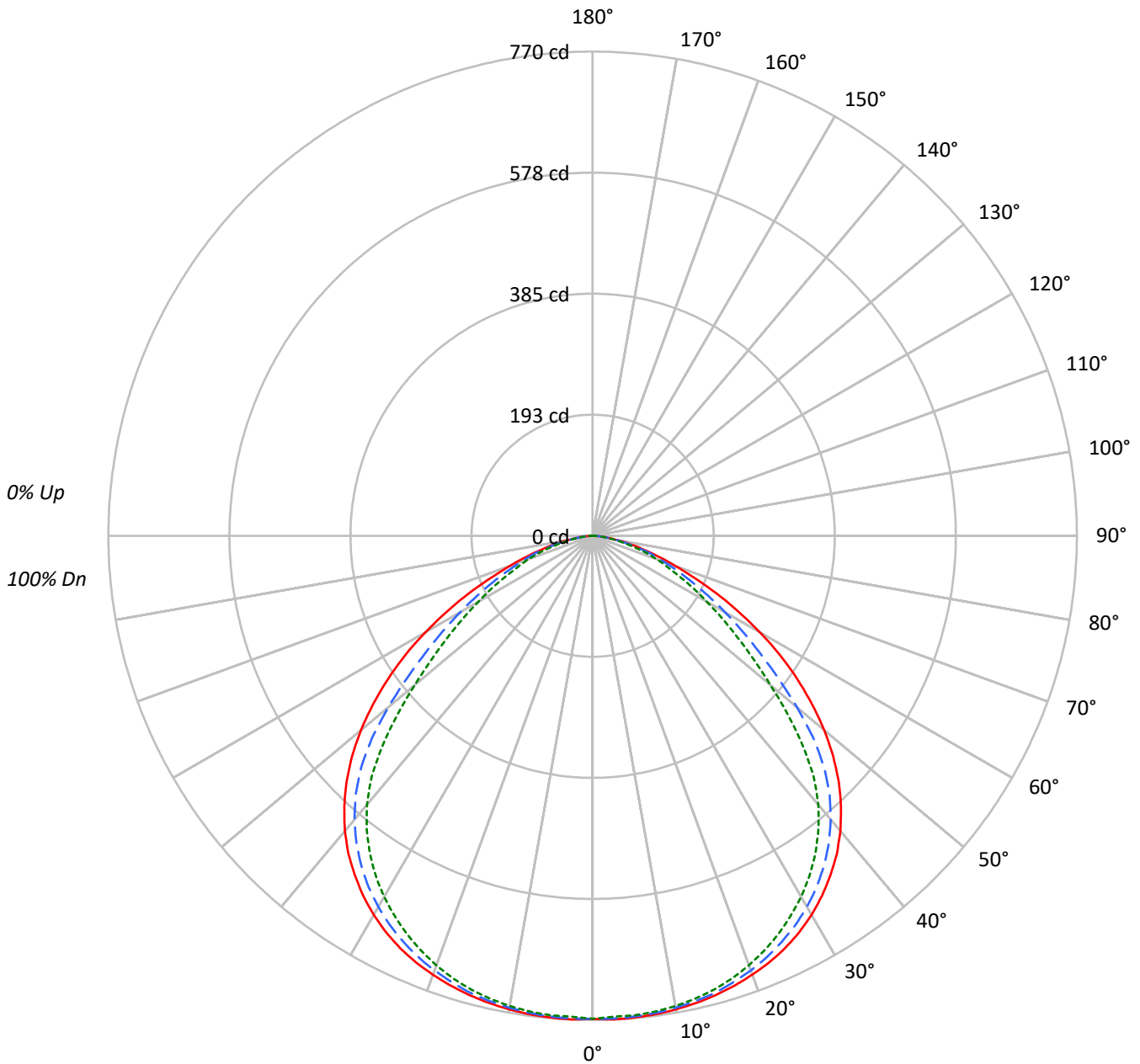
Lumens per Lamp: N/A
Luminaire Lumens: 1980.0 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 17.4
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				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			100
1	110	106	102	99	107	104	100	97	99	96	94	95	93	91	92	90	88	86			86
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74			74
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63			63
4	85	74	66	59	83	73	65	59	70	63	58	68	62	57	66	61	57	55			55
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	50	48			48
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42			42
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37			37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	35	45	40	35	33			33
9	59	46	38	32	57	45	37	32	44	37	32	43	37	32	42	36	32	30			30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27			27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2067	2067	2067
5°	2078	2073	2068
10°	2090	2083	2075
15°	2107	2096	2081
20°	2127	2107	2081
25°	2149	2115	2075
30°	2163	2117	2060
35°	2165	2106	2028
40°	2152	2069	1961
45°	2106	1979	1800
50°	2012	1773	1543
55°	1863	1520	1318
60°	1655	1305	1126
65°	1389	1113	965
70°	1102	946	851
75°	861	771	677
80°	642	575	519
85°	426	377	346



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.0	3.7
10°-20°	212.3	10.7
20°-30°	327.8	16.6
30°-40°	398.9	20.1
40°-50°	394.8	19.9
50°-60°	297.4	15.0
60°-70°	178.7	9.0
70°-80°	80.6	4.1
80°-90°	16.5	0.8
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°	613.1	31.0
0°-40°	1012.0	51.1
0°-60°	1704.2	86.1
0°-90°	1980.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1980.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	768	768	768	768	768	
5°	769	766	768	767	766	73
15°	756	753	752	749	747	214
25°	724	718	712	703	699	334
35°	659	652	641	625	617	412
45°	553	544	520	488	473	425
55°	397	369	324	292	281	354
65°	218	198	175	156	152	217
75°	83	78	74	67	65	90
85°	14	14	12	12	11	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	768.1	768.1	768.1	768.1	768.1
2.5°	770.1	766.8	768.5	768.1	765.5
5°	769.1	766.2	767.5	766.8	765.5
7.5°	767.5	764.5	765.5	764.5	763.2
10°	764.8	761.6	762.2	760.2	759.3
12.5°	761.2	757.3	757.9	755.3	754.0
15°	756.3	752.7	752.4	749.4	746.8
17.5°	750.1	746.4	744.5	741.2	738.2
20°	742.8	738.2	735.6	729.7	726.7
22.5°	734.3	729.4	725.1	716.9	713.9
25°	723.8	718.2	712.3	702.7	698.8
27.5°	711.0	705.0	698.1	687.6	681.7
30°	696.2	689.9	681.4	669.2	663.0
32.5°	678.8	671.9	662.7	648.2	641.6
35°	659.0	651.8	641.0	625.2	617.3
37.5°	637.7	629.5	616.7	597.6	589.7
40°	612.7	604.5	589.1	567.1	558.2
42.5°	584.5	576.3	557.5	531.2	520.4
45°	553.3	543.7	520.1	488.2	473.1
47.5°	518.4	506.3	475.4	436.3	421.2
50°	480.7	464.6	423.5	383.4	368.6
52.5°	439.6	419.2	371.9	336.1	322.0
55°	397.2	369.3	323.9	292.4	280.9
57.5°	353.2	319.7	281.9	254.3	243.4
60°	307.5	275.0	242.5	217.2	209.3
62.5°	260.9	234.2	207.3	184.0	179.7
65°	218.1	197.8	174.8	156.4	151.5
67.5°	175.1	163.6	145.9	133.4	127.8
70°	140.0	132.4	120.2	110.1	108.1
72.5°	109.4	104.5	99.9	91.0	87.4
75°	82.8	78.5	74.2	67.4	65.1
77.5°	59.8	58.2	54.5	49.9	49.0
80°	41.4	41.4	37.1	34.5	33.5
82.5°	25.6	27.9	23.3	21.7	20.7
85°	13.8	14.1	12.2	11.5	11.2
87.5°	5.3	5.9	5.6	4.6	4.6
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)