

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: P412294

Luminaire Tested: **14PD-30-PB1-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412294
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-30-PB1-L927
Description: 3000 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

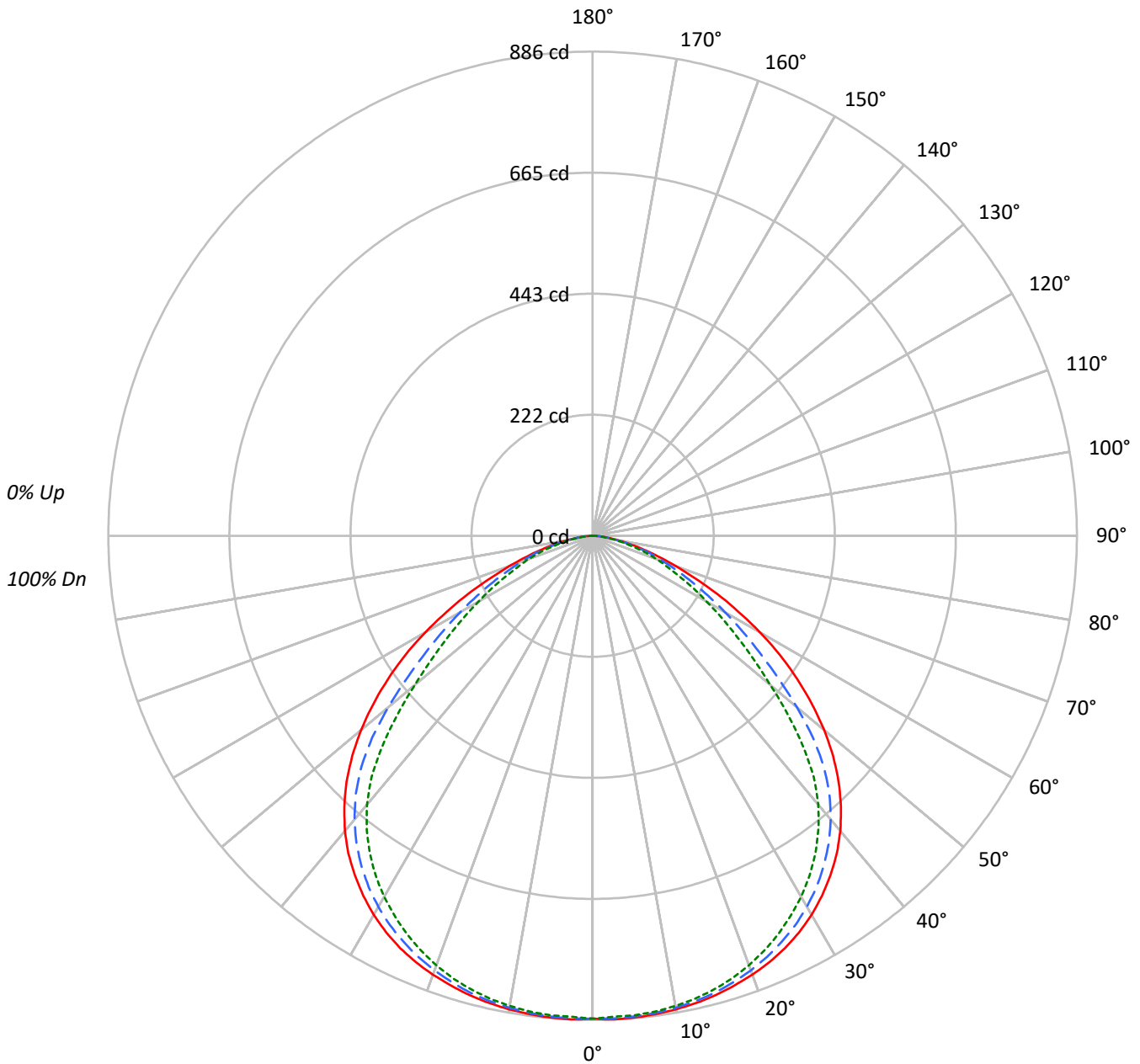
Lumens per Lamp: N/A
Luminaire Lumens: 2278.0 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2378	2378	2378
5°	2390	2385	2379
10°	2404	2396	2387
15°	2424	2411	2394
20°	2447	2424	2394
25°	2472	2433	2387
30°	2489	2436	2370
35°	2491	2422	2333
40°	2476	2381	2256
45°	2422	2277	2071
50°	2315	2040	1775
55°	2144	1749	1516
60°	1904	1502	1296
65°	1598	1280	1110
70°	1267	1088	979
75°	991	888	778
80°	738	662	598
85°	491	432	398



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	3.7
10°-20°	244.2	10.7
20°-30°	377.1	16.6
30°-40°	459.0	20.1
40°-50°	454.2	19.9
50°-60°	342.2	15.0
60°-70°	205.6	9.0
70°-80°	92.7	4.1
80°-90°	19.0	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°	705.4	31.0
0°-40°	1164.3	51.1
0°-60°	1960.7	86.1
0°-90°	2278.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2278.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	884	884	884	884	884	
5°	885	882	883	882	881	84
15°	870	866	866	862	859	246
25°	833	826	820	808	804	384
35°	758	750	737	719	710	474
45°	636	626	598	562	544	489
55°	457	425	373	336	323	407
65°	251	228	201	180	174	249
75°	95	90	85	78	75	104
85°	16	16	14	13	13	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	883.7	883.7	883.7	883.7	883.7
2.5°	886.0	882.2	884.1	883.7	880.7
5°	884.9	881.5	883.0	882.2	880.7
7.5°	883.0	879.6	880.7	879.6	878.1
10°	879.9	876.2	876.9	874.7	873.5
12.5°	875.8	871.3	872.0	869.0	867.5
15°	870.1	866.0	865.6	862.2	859.2
17.5°	862.9	858.8	856.5	852.7	849.3
20°	854.6	849.3	846.3	839.5	836.1
22.5°	844.8	839.1	834.2	824.8	821.4
25°	832.7	826.3	819.5	808.5	804.0
27.5°	818.0	811.2	803.2	791.1	784.3
30°	801.0	793.8	783.9	770.0	762.8
32.5°	780.9	773.0	762.4	745.8	738.2
35°	758.2	749.9	737.4	719.3	710.2
37.5°	733.7	724.2	709.5	687.6	678.5
40°	704.9	695.5	677.7	652.4	642.2
42.5°	672.4	663.0	641.4	611.2	598.7
45°	636.5	625.6	598.4	561.7	544.3
47.5°	596.5	582.5	546.9	502.0	484.6
50°	553.0	534.5	487.2	441.1	424.1
52.5°	505.7	482.3	427.9	386.7	370.4
55°	457.0	424.9	372.7	336.4	323.2
57.5°	406.3	367.8	324.3	292.6	280.1
60°	353.8	316.4	279.0	249.8	240.8
62.5°	300.1	269.5	238.5	211.7	206.8
65°	251.0	227.5	201.1	179.9	174.3
67.5°	201.5	188.2	167.8	153.5	147.0
70°	161.0	152.3	138.3	126.6	124.4
72.5°	125.9	120.2	114.9	104.7	100.5
75°	95.3	90.3	85.4	77.5	74.8
77.5°	68.8	66.9	62.7	57.5	56.3
80°	47.6	47.6	42.7	39.7	38.6
82.5°	29.5	32.1	26.8	24.9	23.8
85°	15.9	16.3	14.0	13.2	12.9
87.5°	6.0	6.8	6.4	5.3	5.3
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)