

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: P412293

Luminaire Tested: **14PD-30-PB1-L850**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412293
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-L850
Description: 3000 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

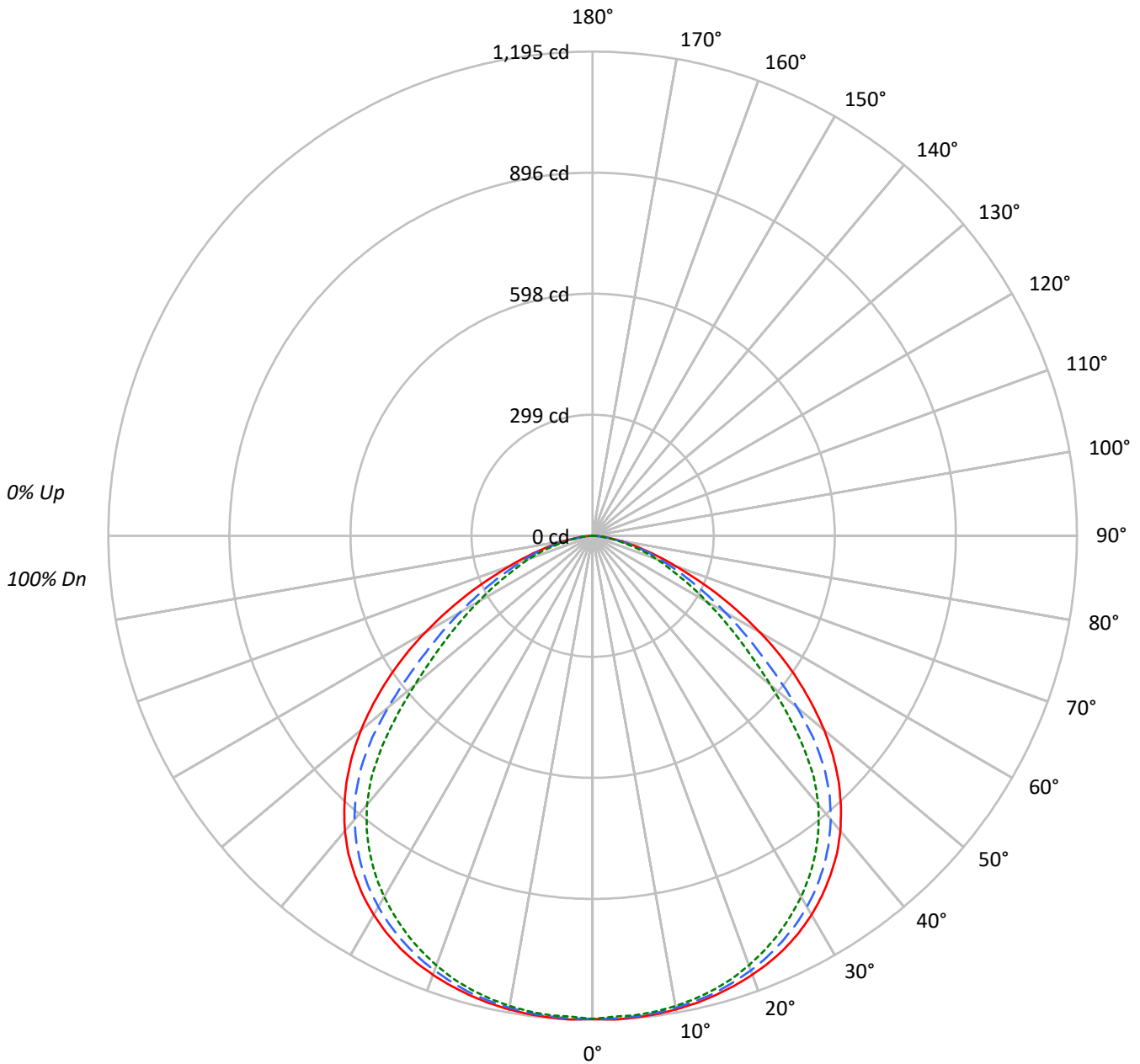
Lumens per Lamp: N/A
Luminaire Lumens: 3073.0 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	3208	3208	3208
5°	3224	3217	3209
10°	3243	3233	3220
15°	3270	3253	3229
20°	3302	3269	3230
25°	3335	3282	3220
30°	3357	3286	3197
35°	3360	3268	3147
40°	3341	3211	3043
45°	3268	3072	2794
50°	3123	2752	2395
55°	2892	2359	2046
60°	2569	2025	1748
65°	2156	1727	1497
70°	1709	1468	1320
75°	1336	1198	1050
80°	995	893	806
85°	661	584	534



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.4	3.7
10°-20°	329.4	10.7
20°-30°	508.7	16.6
30°-40°	619.1	20.1
40°-50°	612.7	19.9
50°-60°	461.6	15.0
60°-70°	277.4	9.0
70°-80°	125.0	4.1
80°-90°	25.6	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°	951.5	31.0
0°-40°	1570.7	51.1
0°-60°	2645.0	86.1
0°-90°	3073.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3073.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1192	1192	1192	1192	1192	
5°	1194	1189	1191	1190	1188	114
15°	1174	1168	1168	1163	1159	332
25°	1123	1115	1106	1091	1085	518
35°	1023	1012	995	970	958	639
45°	859	844	807	758	734	660
55°	616	573	503	454	436	549
65°	339	307	271	243	235	336
75°	128	122	115	104	101	140
85°	21	22	19	18	17	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1192.1	1192.1	1192.1	1192.1	1192.1
2.5°	1195.2	1190.1	1192.7	1192.1	1188.1
5°	1193.7	1189.1	1191.1	1190.1	1188.1
7.5°	1191.1	1186.5	1188.1	1186.5	1184.5
10°	1187.0	1181.9	1183.0	1179.9	1178.4
12.5°	1181.4	1175.3	1176.3	1172.3	1170.2
15°	1173.8	1168.2	1167.7	1163.1	1159.0
17.5°	1164.1	1158.5	1155.4	1150.3	1145.7
20°	1152.9	1145.7	1141.7	1132.5	1127.9
22.5°	1139.6	1132.0	1125.3	1112.6	1108.0
25°	1123.3	1114.6	1105.5	1090.7	1084.6
27.5°	1103.4	1094.2	1083.5	1067.2	1058.0
30°	1080.5	1070.8	1057.5	1038.7	1029.0
32.5°	1053.4	1042.7	1028.5	1006.0	995.8
35°	1022.9	1011.6	994.8	970.3	958.1
37.5°	989.7	977.0	957.1	927.5	915.3
40°	951.0	938.2	914.2	880.1	866.3
42.5°	907.1	894.4	865.3	824.5	807.7
45°	858.7	843.9	807.2	757.7	734.3
47.5°	804.6	785.8	737.8	677.1	653.7
50°	746.0	721.0	657.3	595.1	572.1
52.5°	682.2	650.6	577.2	521.6	499.7
55°	616.5	573.1	502.8	453.8	436.0
57.5°	548.1	496.1	437.5	394.7	377.8
60°	477.3	426.8	376.3	337.0	324.8
62.5°	404.9	363.6	321.7	285.5	278.9
65°	338.6	307.0	271.3	242.7	235.1
67.5°	271.8	253.9	226.4	207.0	198.4
70°	217.2	205.5	186.6	170.8	167.8
72.5°	169.8	162.1	155.0	141.2	135.6
75°	128.5	121.9	115.2	104.5	101.0
77.5°	92.8	90.3	84.6	77.5	76.0
80°	64.2	64.2	57.6	53.5	52.0
82.5°	39.8	43.3	36.2	33.7	32.1
85°	21.4	21.9	18.9	17.8	17.3
87.5°	8.2	9.2	8.7	7.1	7.1
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)