

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: P412291

Luminaire Tested: **14PD-30-PB1-L835**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412291
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-L835
Description: 3000 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

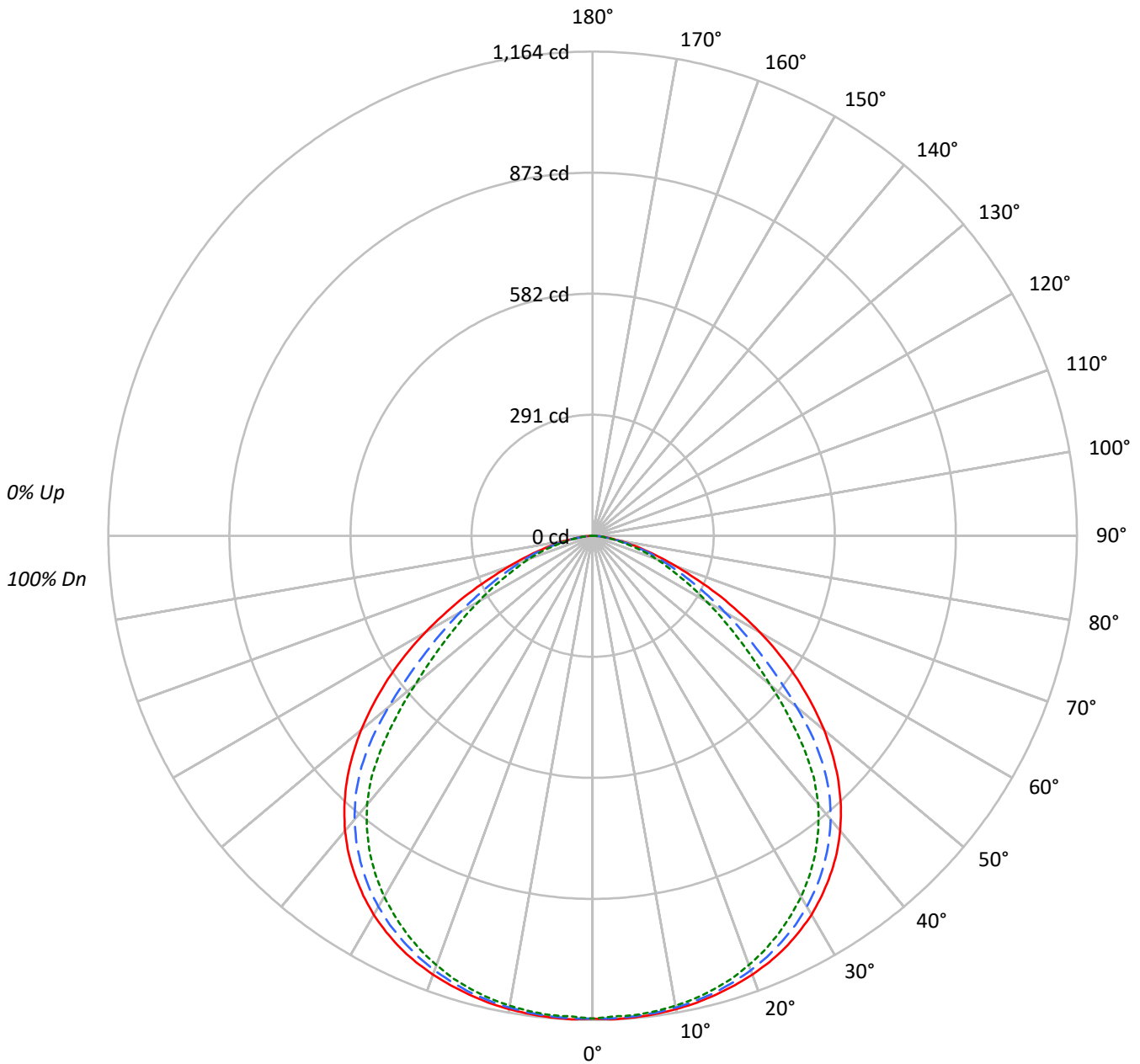
Lumens per Lamp: N/A
Luminaire Lumens: 2992.0 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	3123	3123	3123
5°	3139	3133	3125
10°	3158	3147	3135
15°	3184	3167	3144
20°	3214	3183	3145
25°	3247	3196	3135
30°	3269	3200	3113
35°	3272	3182	3064
40°	3253	3127	2963
45°	3181	2991	2721
50°	3041	2679	2332
55°	2816	2297	1992
60°	2501	1972	1702
65°	2099	1682	1457
70°	1664	1430	1285
75°	1301	1167	1022
80°	970	869	784
85°	645	568	522



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.4	3.7
10°-20°	320.8	10.7
20°-30°	495.3	16.6
30°-40°	602.8	20.1
40°-50°	596.5	19.9
50°-60°	449.5	15.0
60°-70°	270.1	9.0
70°-80°	121.7	4.1
80°-90°	24.9	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°	926.5	31.0
0°-40°	1529.3	51.1
0°-60°	2575.3	86.1
0°-90°	2992.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2992.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1161	1161	1161	1161	1161	
5°	1162	1158	1160	1159	1157	111
15°	1143	1137	1137	1132	1128	323
25°	1094	1085	1076	1062	1056	504
35°	996	985	969	945	933	623
45°	836	822	786	738	715	642
55°	600	558	490	442	424	535
65°	330	299	264	236	229	328
75°	125	119	112	102	98	136
85°	21	21	18	17	17	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1160.7	1160.7	1160.7	1160.7	1160.7
2.5°	1163.7	1158.7	1161.2	1160.7	1156.7
5°	1162.2	1157.7	1159.7	1158.7	1156.7
7.5°	1159.7	1155.3	1156.7	1155.3	1153.3
10°	1155.8	1150.8	1151.8	1148.8	1147.3
12.5°	1150.3	1144.3	1145.3	1141.4	1139.4
15°	1142.8	1137.4	1136.9	1132.4	1128.4
17.5°	1133.4	1128.0	1125.0	1120.0	1115.5
20°	1122.5	1115.5	1111.6	1102.6	1098.2
22.5°	1109.6	1102.1	1095.7	1083.3	1078.8
25°	1093.7	1085.3	1076.3	1061.9	1056.0
27.5°	1074.3	1065.4	1055.0	1039.1	1030.2
30°	1052.0	1042.6	1029.7	1011.3	1001.9
32.5°	1025.7	1015.3	1001.4	979.5	969.6
35°	995.9	985.0	968.6	944.8	932.8
37.5°	963.6	951.2	931.9	903.1	891.1
40°	925.9	913.5	890.1	856.9	843.5
42.5°	883.2	870.8	842.5	802.8	786.4
45°	836.0	821.6	785.9	737.7	714.9
47.5°	783.4	765.0	718.4	659.3	636.5
50°	726.3	702.0	639.9	579.4	557.0
52.5°	664.3	633.5	562.0	507.9	486.5
55°	600.2	558.0	489.5	441.8	424.5
57.5°	533.7	483.1	426.0	384.3	367.9
60°	464.7	415.5	366.4	328.2	316.2
62.5°	394.2	354.0	313.3	278.0	271.6
65°	329.6	298.9	264.1	236.3	228.9
67.5°	264.6	247.2	220.4	201.6	193.1
70°	211.5	200.1	181.7	166.3	163.3
72.5°	165.3	157.9	150.9	137.5	132.1
75°	125.1	118.7	112.2	101.8	98.3
77.5°	90.4	87.9	82.4	75.5	74.0
80°	62.6	62.6	56.1	52.1	50.6
82.5°	38.7	42.2	35.2	32.8	31.3
85°	20.9	21.3	18.4	17.4	16.9
87.5°	7.9	8.9	8.4	7.0	7.0
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)