

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: P412292

Luminaire Tested: **14PD-30-PB1-L840**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412292
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-L840
Description: 3000 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

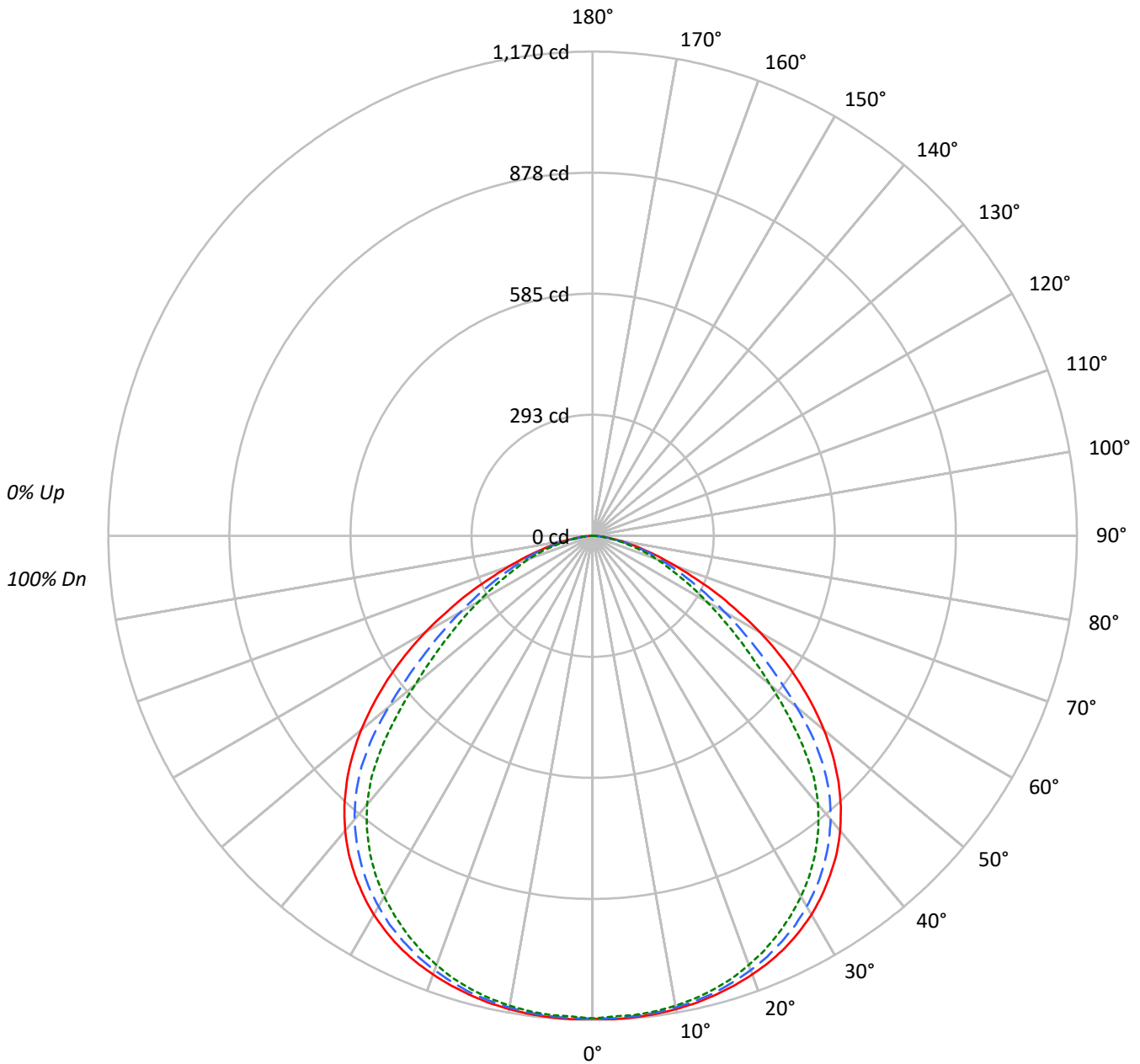
Lumens per Lamp: N/A
Luminaire Lumens: 3007.0 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	3139	3139	3139
5°	3155	3148	3140
10°	3174	3163	3151
15°	3200	3183	3159
20°	3231	3199	3161
25°	3264	3212	3151
30°	3285	3215	3129
35°	3288	3198	3080
40°	3269	3143	2978
45°	3197	3006	2734
50°	3056	2692	2344
55°	2830	2308	2001
60°	2513	1982	1710
65°	2110	1690	1465
70°	1673	1437	1292
75°	1307	1173	1027
80°	975	874	789
85°	648	571	525



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.9	3.7
10°-20°	322.4	10.7
20°-30°	497.8	16.6
30°-40°	605.9	20.1
40°-50°	599.5	19.9
50°-60°	451.7	15.0
60°-70°	271.4	9.0
70°-80°	122.3	4.1
80°-90°	25.1	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°	931.1	31.0
0°-40°	1536.9	51.1
0°-60°	2588.2	86.1
0°-90°	3007.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3007.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1166	1166	1166	1166	1166	
5°	1168	1164	1166	1164	1162	111
15°	1149	1143	1143	1138	1134	325
25°	1099	1091	1082	1067	1061	507
35°	1001	990	973	950	938	626
45°	840	826	790	741	718	646
55°	603	561	492	444	427	537
65°	331	300	265	238	230	329
75°	126	119	113	102	99	137
85°	21	22	18	18	17	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1166.5	1166.5	1166.5	1166.5	1166.5
2.5°	1169.5	1164.5	1167.0	1166.5	1162.5
5°	1168.0	1163.5	1165.5	1164.5	1162.5
7.5°	1165.5	1161.0	1162.5	1161.0	1159.1
10°	1161.5	1156.6	1157.6	1154.6	1153.1
12.5°	1156.1	1150.1	1151.1	1147.1	1145.1
15°	1148.6	1143.1	1142.6	1138.1	1134.1
17.5°	1139.1	1133.6	1130.6	1125.6	1121.1
20°	1128.1	1121.1	1117.1	1108.2	1103.7
22.5°	1115.1	1107.7	1101.2	1088.7	1084.2
25°	1099.2	1090.7	1081.7	1067.2	1061.3
27.5°	1079.7	1070.7	1060.3	1044.3	1035.3
30°	1057.3	1047.8	1034.8	1016.4	1006.9
32.5°	1030.8	1020.3	1006.4	984.4	974.4
35°	1000.9	989.9	973.4	949.5	937.5
37.5°	968.5	956.0	936.5	907.6	895.6
40°	930.5	918.1	894.6	861.2	847.7
42.5°	887.6	875.2	846.7	806.8	790.3
45°	840.2	825.8	789.8	741.4	718.5
47.5°	787.3	768.9	722.0	662.6	639.7
50°	730.0	705.5	643.1	582.3	559.8
52.5°	667.6	636.7	564.8	510.4	489.0
55°	603.2	560.8	492.0	444.1	426.6
57.5°	536.4	485.5	428.1	386.2	369.7
60°	467.0	417.6	368.2	329.8	317.8
62.5°	396.2	355.7	314.8	279.4	272.9
65°	331.3	300.4	265.4	237.5	230.0
67.5°	265.9	248.5	221.5	202.6	194.1
70°	212.6	201.1	182.6	167.1	164.2
72.5°	166.1	158.7	151.7	138.2	132.7
75°	125.7	119.2	112.8	102.3	98.8
77.5°	90.8	88.3	82.8	75.8	74.3
80°	62.9	62.9	56.4	52.4	50.9
82.5°	38.9	42.4	35.4	32.9	31.4
85°	21.0	21.5	18.5	17.5	17.0
87.5°	8.0	9.0	8.5	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)