

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: P412297

Luminaire Tested: **14PD-30-PB1-L940**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412297
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-L940
Description: 3000 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

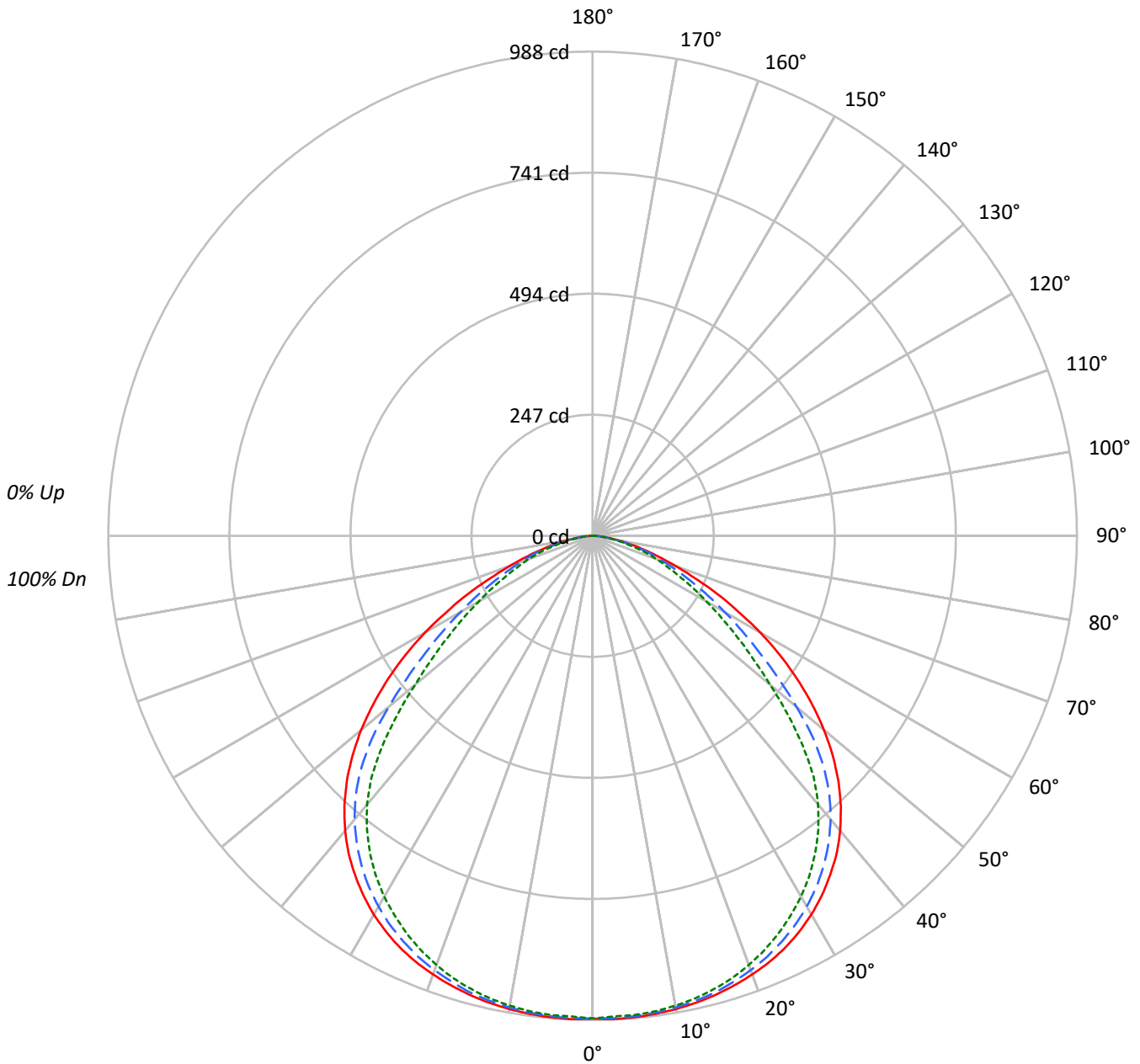
Lumens per Lamp: N/A
Luminaire Lumens: 2539.0 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	2651	2651	2651
5°	2664	2658	2652
10°	2680	2671	2660
15°	2702	2688	2668
20°	2728	2701	2669
25°	2756	2712	2661
30°	2774	2715	2642
35°	2776	2700	2600
40°	2760	2654	2514
45°	2700	2538	2309
50°	2581	2273	1979
55°	2389	1949	1690
60°	2122	1673	1445
65°	1781	1427	1237
70°	1412	1213	1090
75°	1104	990	867
80°	823	738	666
85°	546	482	442



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.7	3.7
10°-20°	272.2	10.7
20°-30°	420.3	16.6
30°-40°	511.6	20.1
40°-50°	506.2	19.9
50°-60°	381.4	15.0
60°-70°	229.2	9.0
70°-80°	103.3	4.1
80°-90°	21.1	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°	786.2	31.0
0°-40°	1297.7	51.1
0°-60°	2185.4	86.1
0°-90°	2539.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2539.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	985	985	985	985	985	
5°	986	982	984	983	982	94
15°	970	965	965	961	958	274
25°	928	921	913	901	896	428
35°	845	836	822	802	792	528
45°	710	697	667	626	607	545
55°	509	474	415	375	360	454
65°	280	254	224	200	194	278
75°	106	101	95	86	83	116
85°	18	18	16	15	14	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	985.0	985.0	985.0	985.0	985.0
2.5°	987.5	983.3	985.4	985.0	981.6
5°	986.2	982.5	984.1	983.3	981.6
7.5°	984.1	980.3	981.6	980.3	978.7
10°	980.8	976.6	977.4	974.9	973.6
12.5°	976.1	971.1	971.9	968.6	966.9
15°	969.8	965.2	964.8	961.0	957.6
17.5°	961.8	957.2	954.6	950.4	946.6
20°	952.5	946.6	943.3	935.7	931.9
22.5°	941.6	935.3	929.8	919.3	915.5
25°	928.1	920.9	913.4	901.1	896.1
27.5°	911.7	904.1	895.2	881.8	874.2
30°	892.7	884.7	873.8	858.2	850.2
32.5°	870.4	861.5	849.7	831.2	822.8
35°	845.1	835.8	821.9	801.7	791.6
37.5°	817.7	807.2	790.8	766.3	756.2
40°	785.7	775.2	755.4	727.2	715.8
42.5°	749.5	738.9	714.9	681.2	667.3
45°	709.5	697.2	666.9	626.0	606.7
47.5°	664.8	649.2	609.6	559.5	540.1
50°	616.4	595.7	543.0	491.6	472.7
52.5°	563.7	537.6	476.9	431.0	412.9
55°	509.3	473.5	415.4	375.0	360.2
57.5°	452.9	409.9	361.5	326.1	312.2
60°	394.3	352.6	310.9	278.5	268.4
62.5°	334.5	300.4	265.8	235.9	230.4
65°	279.7	253.6	224.1	200.5	194.2
67.5°	224.5	209.8	187.1	171.0	163.9
70°	179.5	169.8	154.2	141.1	138.6
72.5°	140.3	134.0	128.1	116.7	112.1
75°	106.2	100.7	95.2	86.4	83.4
77.5°	76.7	74.6	69.9	64.0	62.8
80°	53.1	53.1	47.6	44.2	43.0
82.5°	32.9	35.8	29.9	27.8	26.5
85°	17.7	18.1	15.6	14.7	14.3
87.5°	6.7	7.6	7.2	5.9	5.9
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)