

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: P412974

Luminaire Tested: **14PD-30-PC3-L830**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412974
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-57)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-30-PC3-L830
Description: 3000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

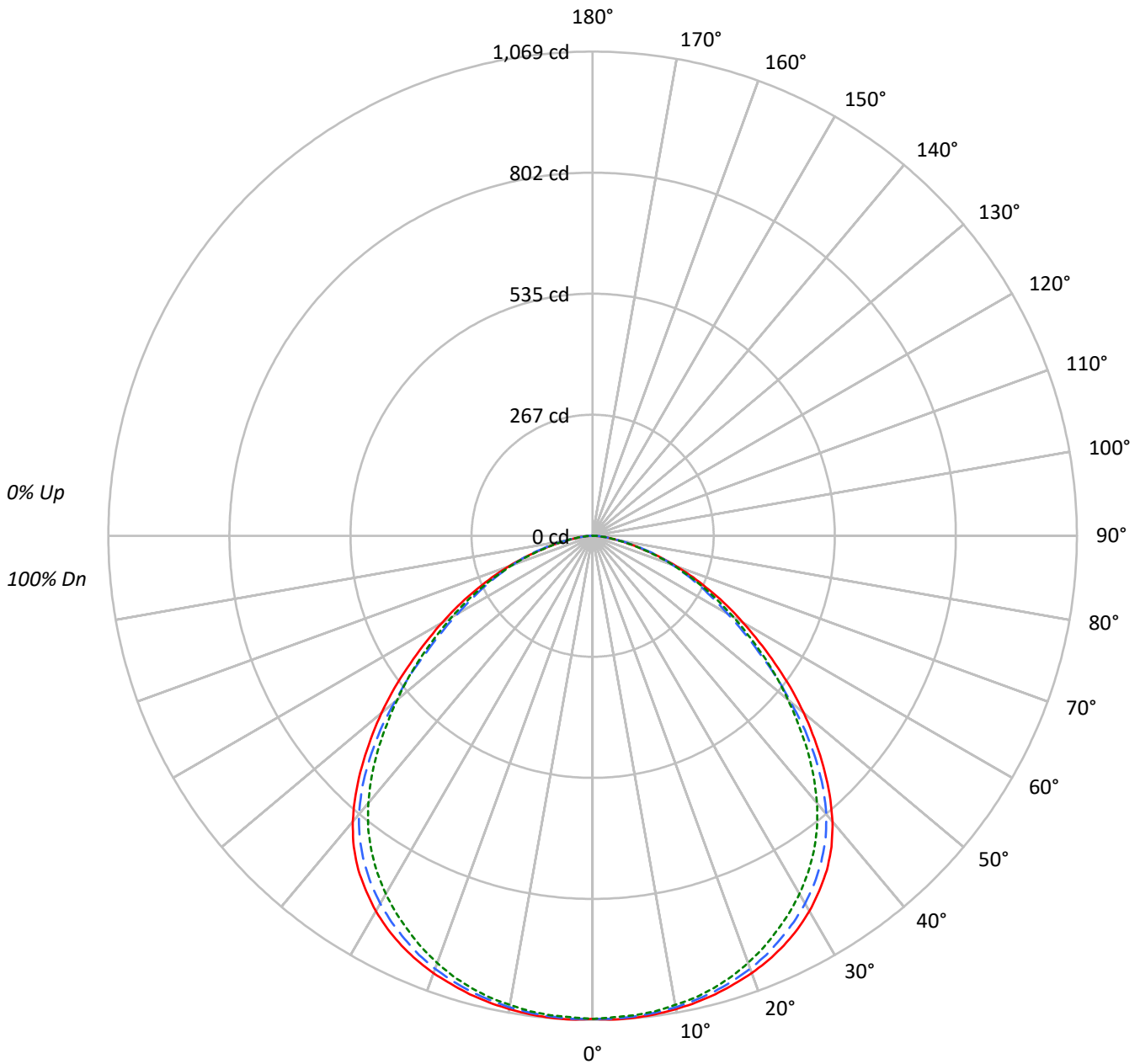
Lumens per Lamp: N/A
Luminaire Lumens: 2757.0 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86																			
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73																			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62																			
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54																			
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	53	49	47																			
6	72	60	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	41																			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37																			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33																			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30																			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2871	2871	2871
5°	2886	2878	2870
10°	2900	2888	2874
15°	2919	2901	2880
20°	2943	2913	2874
25°	2964	2916	2857
30°	2974	2914	2837
35°	2961	2890	2796
40°	2894	2819	2706
45°	2743	2649	2552
50°	2546	2384	2356
55°	2305	2101	2148
60°	2061	1850	1932
65°	1819	1659	1716
70°	1548	1470	1481
75°	1189	1254	1155
80°	872	916	865
85°	584	642	627



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.4	3.7
10°-20°	293.9	10.7
20°-30°	452.0	16.4
30°-40°	546.9	19.8
40°-50°	534.0	19.4
50°-60°	412.6	15.0
60°-70°	265.0	9.6
70°-80°	125.1	4.5
80°-90°	26.2	1.0
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°	847.3	30.7
0°-40°	1394.2	50.6
0°-60°	2340.7	84.9
0°-90°	2757.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2757.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1067	1067	1067	1067	1067	
5°	1068	1064	1065	1064	1063	102
15°	1048	1043	1041	1038	1034	296
25°	998	990	982	969	962	460
35°	901	892	880	860	851	562
45°	721	712	696	678	671	554
55°	491	468	448	448	458	440
65°	286	269	261	258	270	284
75°	114	116	121	111	111	126
85°	19	22	21	20	20	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1066.8	1066.8	1066.8	1066.8	1066.8
2.5°	1069.2	1064.9	1067.3	1067.3	1064.0
5°	1068.3	1063.5	1065.4	1064.5	1062.6
7.5°	1065.4	1060.7	1062.1	1061.2	1058.8
10°	1061.2	1056.0	1056.9	1055.0	1051.7
12.5°	1055.5	1050.8	1049.8	1047.0	1044.6
15°	1047.9	1042.7	1041.3	1037.5	1033.7
17.5°	1038.0	1032.8	1030.4	1024.7	1020.5
20°	1027.6	1021.4	1017.2	1008.7	1003.5
22.5°	1014.3	1007.3	1001.6	989.8	984.6
25°	998.3	990.2	982.2	969.4	962.3
27.5°	979.4	970.8	961.4	947.2	939.2
30°	957.1	948.6	937.7	921.7	913.1
32.5°	930.6	922.1	910.8	892.3	883.8
35°	901.3	891.9	879.6	859.7	851.2
37.5°	866.3	855.9	844.6	822.8	813.8
40°	823.8	814.8	802.5	780.7	770.3
42.5°	774.6	766.6	752.8	732.0	722.1
45°	720.7	711.7	696.1	678.1	670.6
47.5°	664.4	651.2	636.0	620.4	616.2
50°	608.1	591.1	569.4	561.3	562.7
52.5°	550.4	528.7	509.8	503.6	510.7
55°	491.3	467.7	447.8	448.3	457.8
57.5°	435.1	410.5	393.9	393.9	406.2
60°	383.0	360.3	343.8	343.3	358.9
62.5°	334.8	311.6	299.3	299.3	313.5
65°	285.6	268.6	260.6	257.7	269.5
67.5°	240.2	228.4	222.7	219.4	227.0
70°	196.7	189.2	186.8	183.0	188.2
72.5°	153.7	151.8	156.5	147.5	149.9
75°	114.4	116.3	120.6	110.7	111.1
77.5°	82.3	86.1	87.5	82.8	82.8
80°	56.3	61.0	59.1	56.7	55.8
82.5°	35.9	38.3	38.3	36.9	35.9
85°	18.9	21.8	20.8	20.3	20.3
87.5°	7.1	9.9	9.9	9.5	9.0
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)