

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: P412290

Luminaire Tested: **14PD-30-PB1-L830**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412290
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-L830
Description: 3000 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

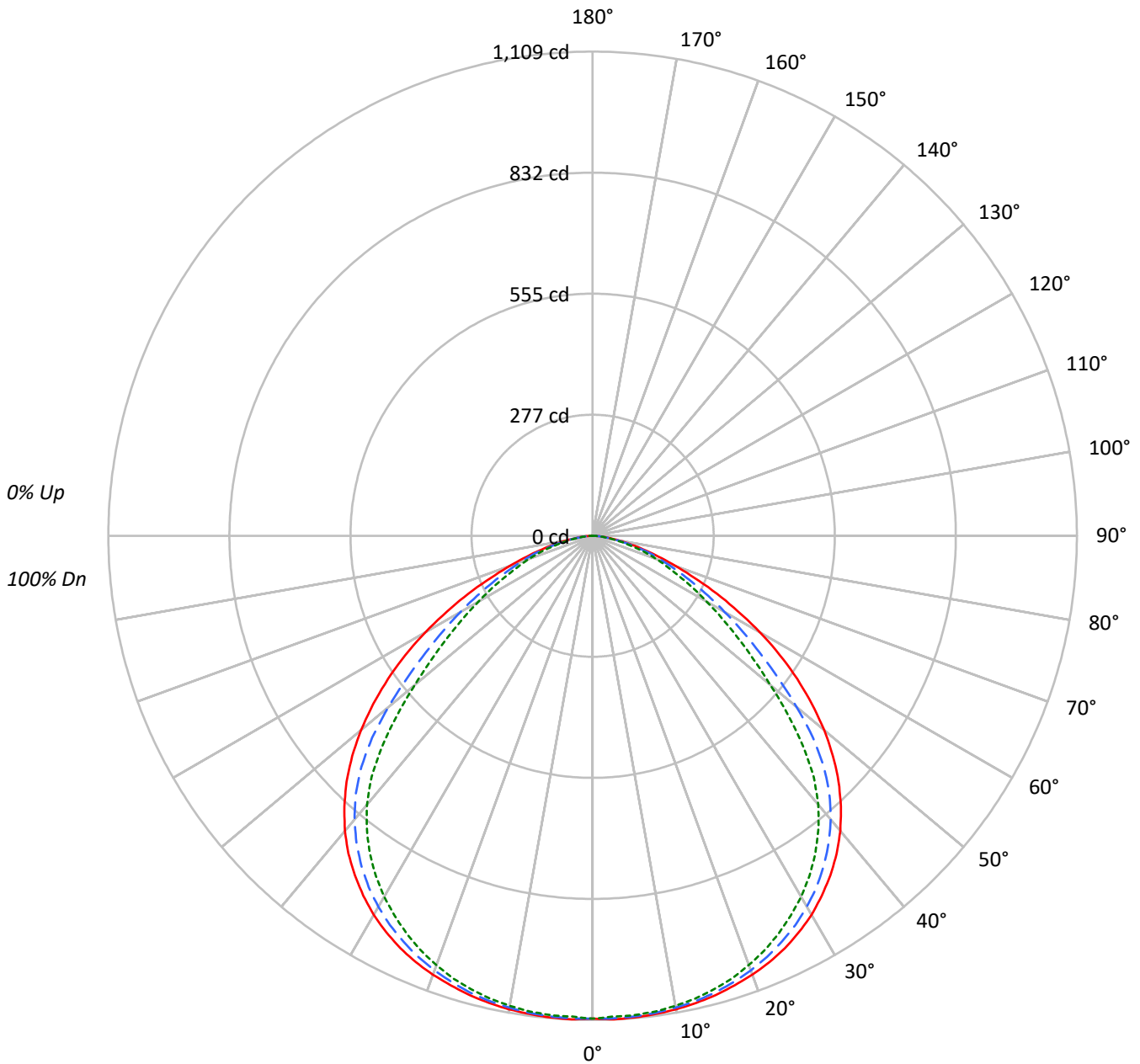
Lumens per Lamp: N/A
Luminaire Lumens: 2851.0 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	2976	2976	2976
5°	2991	2985	2977
10°	3009	2999	2987
15°	3034	3018	2996
20°	3063	3033	2997
25°	3094	3045	2988
30°	3115	3049	2966
35°	3118	3032	2920
40°	3099	2980	2823
45°	3032	2850	2592
50°	2897	2553	2222
55°	2683	2188	1898
60°	2383	1879	1622
65°	2000	1603	1389
70°	1585	1362	1224
75°	1239	1111	974
80°	924	829	748
85°	614	540	497



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.2	3.7
10°-20°	305.6	10.7
20°-30°	472.0	16.6
30°-40°	574.4	20.1
40°-50°	568.4	19.9
50°-60°	428.3	15.0
60°-70°	257.3	9.0
70°-80°	116.0	4.1
80°-90°	23.7	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°	882.8	31.0
0°-40°	1457.2	51.1
0°-60°	2453.9	86.1
0°-90°	2851.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2851.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1106	1106	1106	1106	1106	
5°	1107	1103	1105	1104	1102	106
15°	1089	1084	1083	1079	1075	308
25°	1042	1034	1026	1012	1006	480
35°	949	939	923	900	889	593
45°	797	783	749	703	681	612
55°	572	532	466	421	404	509
65°	314	285	252	225	218	312
75°	119	113	107	97	94	130
85°	20	20	18	17	16	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1106.0	1106.0	1106.0	1106.0	1106.0
2.5°	1108.9	1104.1	1106.5	1106.0	1102.2
5°	1107.4	1103.2	1105.1	1104.1	1102.2
7.5°	1105.1	1100.8	1102.2	1100.8	1098.9
10°	1101.3	1096.6	1097.5	1094.7	1093.2
12.5°	1096.1	1090.4	1091.4	1087.6	1085.7
15°	1089.0	1083.8	1083.3	1079.1	1075.3
17.5°	1080.0	1074.8	1072.0	1067.2	1063.0
20°	1069.6	1063.0	1059.2	1050.7	1046.4
22.5°	1057.3	1050.2	1044.0	1032.2	1028.0
25°	1042.2	1034.1	1025.6	1011.9	1006.2
27.5°	1023.7	1015.2	1005.3	990.1	981.6
30°	1002.4	993.4	981.1	963.6	954.6
32.5°	977.3	967.4	954.2	933.4	923.9
35°	949.0	938.6	922.9	900.2	888.9
37.5°	918.2	906.4	887.9	860.5	849.1
40°	882.3	870.4	848.2	816.5	803.7
42.5°	841.6	829.8	802.8	764.9	749.3
45°	796.6	782.9	748.9	703.0	681.2
47.5°	746.5	729.0	684.5	628.2	606.5
50°	692.1	668.9	609.8	552.1	530.8
52.5°	633.0	603.6	535.5	483.9	463.6
55°	571.9	531.7	466.4	421.0	404.5
57.5°	508.5	460.3	405.9	366.2	350.5
60°	442.8	396.0	349.1	312.7	301.3
62.5°	375.6	337.3	298.5	264.9	258.8
65°	314.1	284.8	251.7	225.2	218.1
67.5°	252.1	235.6	210.0	192.1	184.0
70°	201.5	190.6	173.1	158.5	155.6
72.5°	157.5	150.4	143.8	131.0	125.8
75°	119.2	113.1	106.9	97.0	93.7
77.5°	86.1	83.7	78.5	71.9	70.5
80°	59.6	59.6	53.5	49.7	48.3
82.5°	36.9	40.2	33.6	31.2	29.8
85°	19.9	20.3	17.5	16.6	16.1
87.5°	7.6	8.5	8.0	6.6	6.6
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)