

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: P412295

Luminaire Tested: **14PD-30-PB1-L930**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412295
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-L930
Description: 3000 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

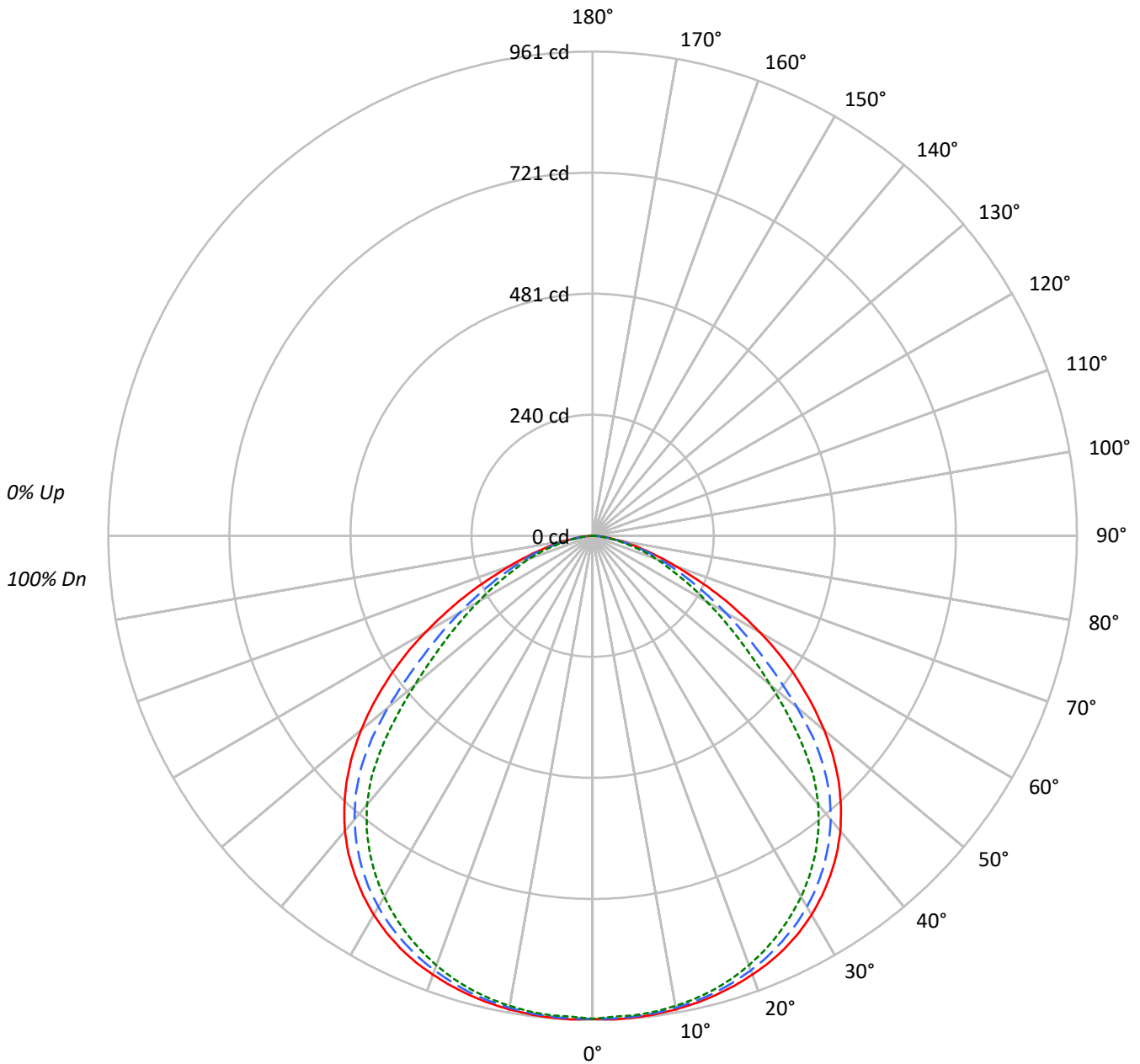
Lumens per Lamp: N/A
Luminaire Lumens: 2471.0 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	2580	2580	2580
5°	2593	2587	2581
10°	2608	2599	2589
15°	2629	2616	2596
20°	2655	2629	2597
25°	2682	2639	2589
30°	2700	2642	2571
35°	2702	2628	2531
40°	2686	2582	2447
45°	2628	2470	2247
50°	2511	2213	1926
55°	2326	1897	1645
60°	2066	1629	1406
65°	1733	1389	1203
70°	1375	1181	1061
75°	1074	964	844
80°	801	717	648
85°	531	469	429



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	3.7
10°-20°	264.9	10.7
20°-30°	409.1	16.6
30°-40°	497.9	20.1
40°-50°	492.7	19.9
50°-60°	371.2	15.0
60°-70°	223.0	9.0
70°-80°	100.5	4.1
80°-90°	20.6	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°	765.1	31.0
0°-40°	1263.0	51.1
0°-60°	2126.8	86.1
0°-90°	2471.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2471.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	959	959	959	959	959	
5°	960	956	958	957	955	91
15°	944	939	939	935	932	267
25°	903	896	889	877	872	416
35°	822	814	800	780	770	514
45°	690	679	649	609	590	531
55°	496	461	404	365	351	442
65°	272	247	218	195	189	271
75°	103	98	93	84	81	113
85°	17	18	15	14	14	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	958.6	958.6	958.6	958.6	958.6
2.5°	961.1	957.0	959.0	958.6	955.3
5°	959.8	956.1	957.8	957.0	955.3
7.5°	957.8	954.1	955.3	954.1	952.5
10°	954.5	950.4	951.2	948.8	947.5
12.5°	950.0	945.1	945.9	942.6	941.0
15°	943.8	939.3	938.9	935.2	932.0
17.5°	936.1	931.5	929.1	925.0	921.3
20°	927.0	921.3	918.0	910.6	906.9
22.5°	916.4	910.2	904.9	894.6	891.0
25°	903.3	896.3	888.9	877.0	872.1
27.5°	887.3	879.9	871.3	858.1	850.8
30°	868.8	861.0	850.4	835.2	827.4
32.5°	847.1	838.5	827.0	808.9	800.7
35°	822.5	813.5	799.9	780.2	770.4
37.5°	795.8	785.6	769.6	745.8	736.0
40°	764.7	754.4	735.1	707.7	696.6
42.5°	729.4	719.2	695.8	663.0	649.5
45°	690.5	678.6	649.0	609.3	590.4
47.5°	647.0	631.8	593.3	544.5	525.6
50°	599.8	579.8	528.5	478.5	460.0
52.5°	548.6	523.2	464.1	419.4	401.8
55°	495.7	460.9	404.3	364.9	350.6
57.5°	440.8	398.9	351.8	317.3	303.8
60°	383.8	343.2	302.6	271.0	261.2
62.5°	325.5	292.3	258.7	229.6	224.3
65°	272.2	246.8	218.1	195.2	189.0
67.5°	218.5	204.2	182.0	166.5	159.5
70°	174.7	165.2	150.1	137.4	134.9
72.5°	136.5	130.4	124.6	113.6	109.1
75°	103.3	98.0	92.7	84.1	81.2
77.5°	74.6	72.6	68.1	62.3	61.1
80°	51.7	51.7	46.3	43.1	41.8
82.5°	32.0	34.9	29.1	27.1	25.8
85°	17.2	17.6	15.2	14.4	13.9
87.5°	6.6	7.4	7.0	5.7	5.7
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)