

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: P412635

Luminaire Tested: **14PD-30-PP3-L850**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412635
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-30-PP3-L850
Description: 3000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

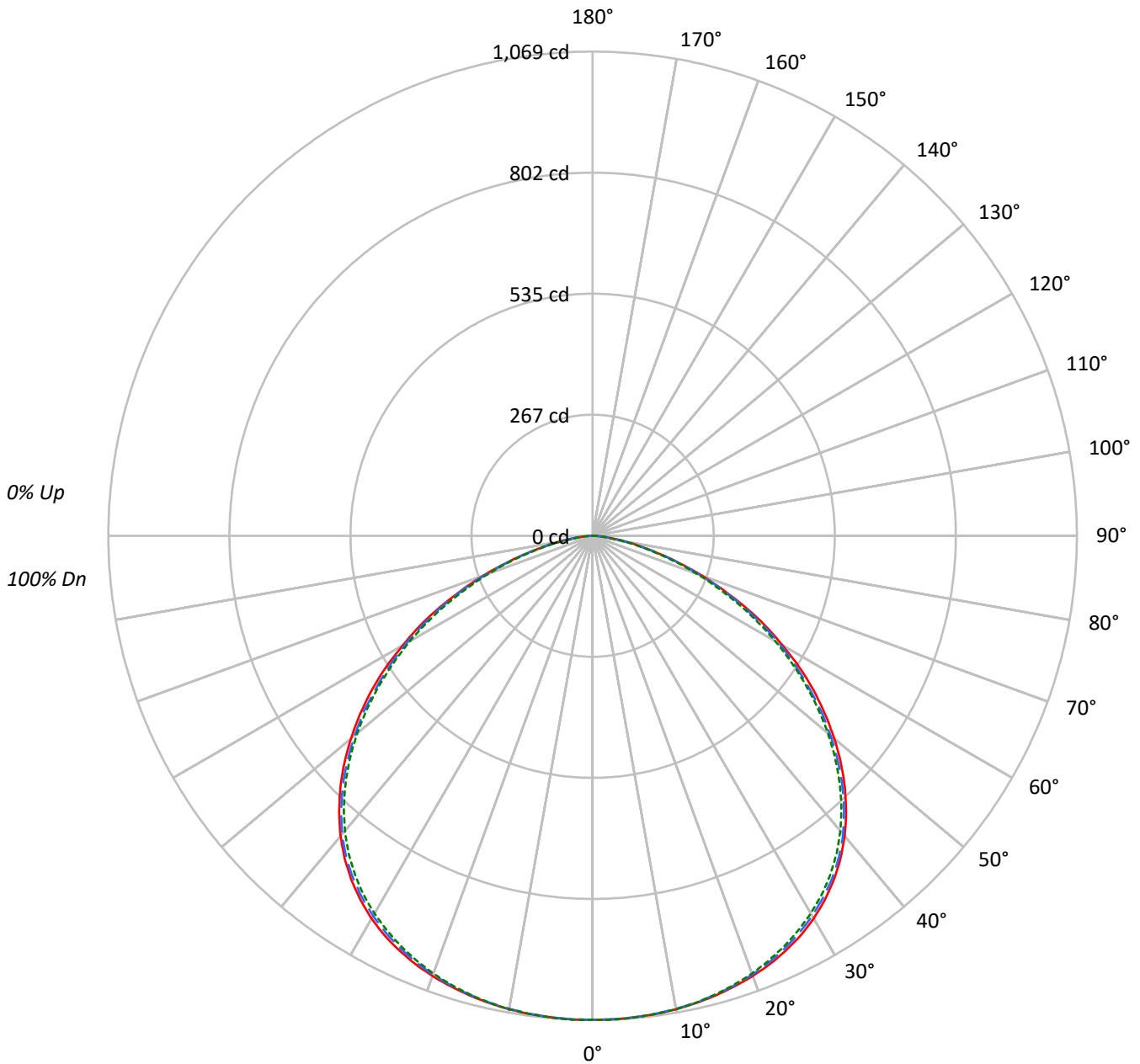
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3109.0 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39																			
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31																			
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2875	2875	2875
5°	2883	2882	2884
10°	2901	2898	2900
15°	2927	2922	2920
20°	2962	2952	2945
25°	2999	2983	2969
30°	3032	3011	2992
35°	3049	3030	3003
40°	3041	3022	2988
45°	2997	2968	2935
50°	2915	2868	2838
55°	2794	2727	2692
60°	2603	2559	2506
65°	2360	2313	2245
70°	2014	1978	1914
75°	1573	1557	1483
80°	1161	1113	1049
85°	701	701	651



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.7	3.3
10°-20°	296.6	9.5
20°-30°	463.6	14.9
30°-40°	576.2	18.5
40°-50°	600.4	19.3
50°-60°	521.0	16.8
60°-70°	358.2	11.5
70°-80°	161.7	5.2
80°-90°	29.6	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°	861.9	27.7
0°-40°	1438.2	46.3
0°-60°	2559.5	82.3
0°-90°	3109.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3109.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1068	1068	1068	1068	1068	
5°	1067	1068	1067	1066	1068	102
15°	1050	1050	1049	1048	1048	297
25°	1010	1010	1005	1001	1000	466
35°	928	928	922	917	914	580
45°	788	788	780	774	771	606
55°	596	592	581	574	574	531
65°	371	369	363	354	353	366
75°	151	152	150	146	143	165
85°	23	22	23	22	21	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1068.5	1068.5	1068.5	1068.5	1068.5
2.5°	1068.8	1068.8	1068.2	1067.2	1069.4
5°	1067.2	1067.5	1066.9	1066.0	1067.5
7.5°	1065.1	1065.4	1064.4	1063.5	1064.7
10°	1061.6	1061.3	1060.4	1059.8	1061.3
12.5°	1056.7	1056.4	1055.4	1054.8	1056.0
15°	1050.5	1050.5	1048.9	1048.0	1048.3
17.5°	1043.0	1043.0	1040.8	1038.6	1039.3
20°	1034.3	1034.0	1030.9	1028.7	1028.4
22.5°	1023.4	1023.4	1019.1	1016.3	1015.3
25°	1010.1	1009.8	1004.8	1000.7	1000.1
27.5°	994.8	994.2	988.3	984.3	982.7
30°	975.9	975.3	969.1	964.7	962.8
32.5°	953.5	954.4	947.3	942.3	940.5
35°	928.0	928.0	922.4	917.2	914.1
37.5°	898.8	898.8	893.6	888.3	884.5
40°	865.6	865.9	860.3	853.8	850.7
42.5°	828.3	828.9	821.5	816.2	812.8
45°	787.6	787.9	779.8	773.9	771.1
47.5°	743.5	742.9	733.9	728.9	726.1
50°	696.3	695.0	685.1	680.4	677.9
52.5°	646.9	644.4	635.7	628.8	626.7
55°	595.6	592.2	581.3	574.5	573.8
57.5°	542.2	538.1	529.1	522.6	520.1
60°	483.7	482.8	475.4	467.6	465.7
62.5°	429.1	426.3	419.7	410.4	409.5
65°	370.7	369.1	363.2	354.5	352.6
67.5°	310.4	311.9	307.0	299.2	296.7
70°	256.0	256.9	251.4	244.2	243.3
72.5°	201.3	202.9	198.2	193.6	192.6
75°	151.3	151.9	149.8	145.7	142.6
77.5°	107.5	109.7	107.2	104.4	101.9
80°	74.9	71.5	71.8	70.5	67.7
82.5°	45.1	43.5	43.2	41.9	40.7
85°	22.7	22.4	22.7	22.4	21.1
87.5°	7.5	8.1	8.4	8.4	7.8
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)