

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: P412617

Luminaire Tested: **14PD-20-PP3-L850**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412617
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-20-PP3-L850
Description: 2000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

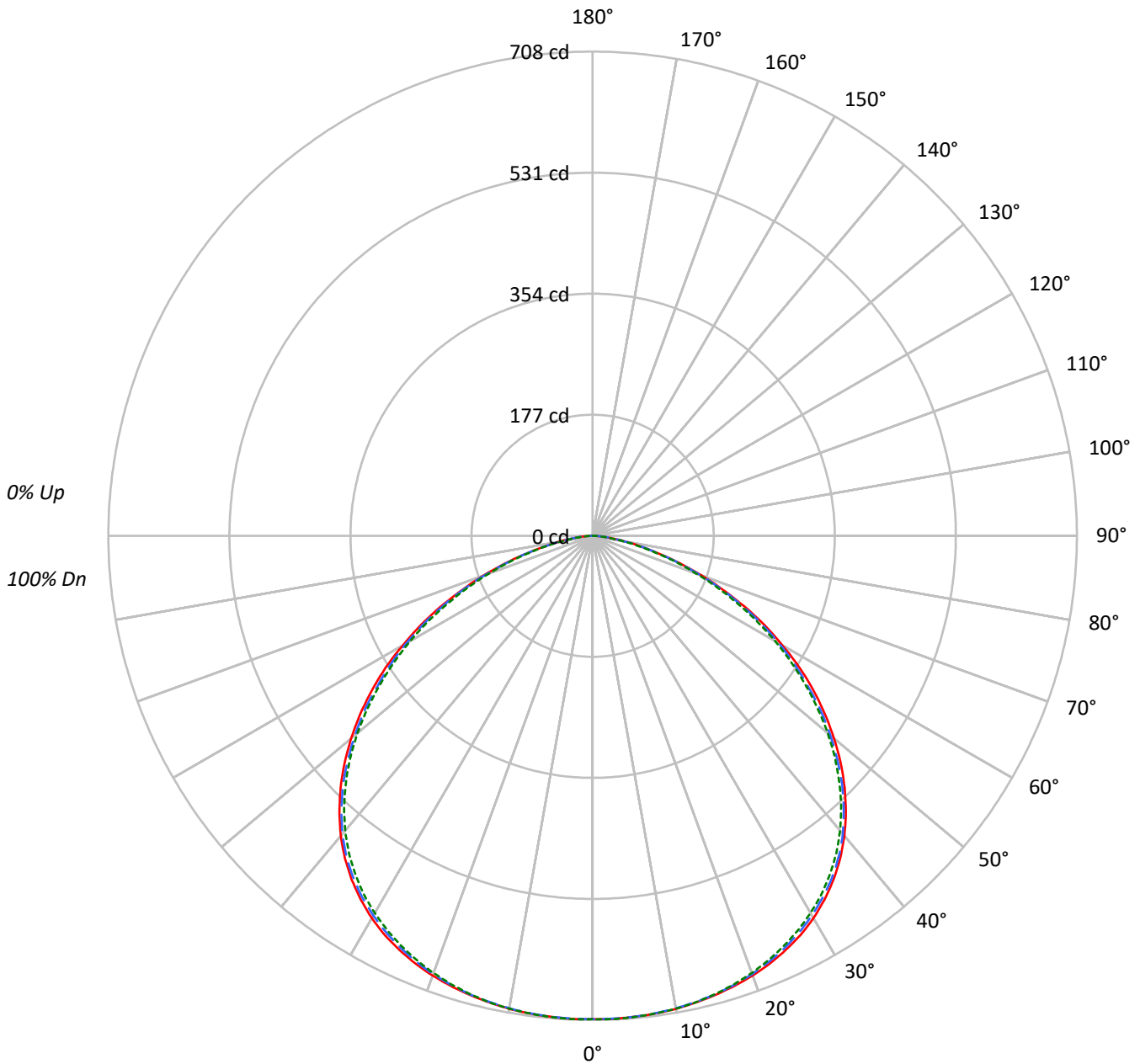
Lumens per Lamp: N/A
Luminaire Lumens: 2057.0 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 17.4
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°	1902	1902	1902
5°	1907	1907	1908
10°	1919	1917	1919
15°	1936	1933	1932
20°	1960	1953	1948
25°	1984	1974	1965
30°	2006	1992	1979
35°	2017	2005	1987
40°	2012	1999	1977
45°	1983	1964	1942
50°	1929	1898	1878
55°	1849	1804	1781
60°	1723	1693	1658
65°	1561	1530	1486
70°	1333	1308	1267
75°	1041	1030	981
80°	767	736	694
85°	463	463	432



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.3	3.3
10°-20°	196.3	9.5
20°-30°	306.8	14.9
30°-40°	381.2	18.5
40°-50°	397.2	19.3
50°-60°	344.7	16.8
60°-70°	237.0	11.5
70°-80°	107.0	5.2
80°-90°	19.6	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°	570.3	27.7
0°-40°	951.5	46.3
0°-60°	1693.4	82.3
0°-90°	2057.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2057.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	707	707	707	707	707	
5°	706	706	706	705	706	67
15°	695	695	694	693	694	197
25°	668	668	665	662	662	308
35°	614	614	610	607	605	384
45°	521	521	516	512	510	401
55°	394	392	385	380	380	351
65°	245	244	240	234	233	242
75°	100	100	99	96	94	109
85°	15	15	15	15	14	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	706.9	706.9	706.9	706.9	706.9
2.5°	707.1	707.1	706.7	706.1	707.5
5°	706.1	706.3	705.9	705.3	706.3
7.5°	704.7	704.9	704.3	703.6	704.5
10°	702.4	702.2	701.6	701.2	702.2
12.5°	699.1	698.9	698.3	697.9	698.7
15°	695.0	695.0	694.0	693.4	693.6
17.5°	690.1	690.1	688.6	687.2	687.6
20°	684.3	684.1	682.1	680.6	680.4
22.5°	677.1	677.1	674.2	672.4	671.8
25°	668.3	668.1	664.8	662.1	661.7
27.5°	658.2	657.8	653.9	651.2	650.2
30°	645.7	645.3	641.2	638.3	637.0
32.5°	630.9	631.5	626.8	623.5	622.2
35°	614.0	614.0	610.3	606.8	604.8
37.5°	594.7	594.7	591.2	587.7	585.2
40°	572.7	572.9	569.2	564.9	562.8
42.5°	548.0	548.4	543.5	540.0	537.8
45°	521.1	521.3	516.0	512.1	510.2
47.5°	491.9	491.5	485.5	482.3	480.4
50°	460.7	459.8	453.3	450.2	448.5
52.5°	428.0	426.3	420.6	416.1	414.6
55°	394.1	391.8	384.6	380.1	379.7
57.5°	358.7	356.0	350.1	345.8	344.1
60°	320.1	319.4	314.5	309.4	308.1
62.5°	283.9	282.0	277.7	271.5	270.9
65°	245.2	244.2	240.3	234.5	233.3
67.5°	205.4	206.4	203.1	198.0	196.3
70°	169.4	170.0	166.3	161.6	161.0
72.5°	133.2	134.2	131.1	128.1	127.4
75°	100.1	100.5	99.1	96.4	94.4
77.5°	71.1	72.6	70.9	69.1	67.4
80°	49.5	47.3	47.5	46.7	44.8
82.5°	29.8	28.8	28.6	27.8	26.9
85°	15.0	14.8	15.0	14.8	14.0
87.5°	4.9	5.3	5.6	5.6	5.1
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)