

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: P412627

Luminaire Tested: **14PD-25-PP3-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412627
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-25-PP3-L927
Description: 2500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

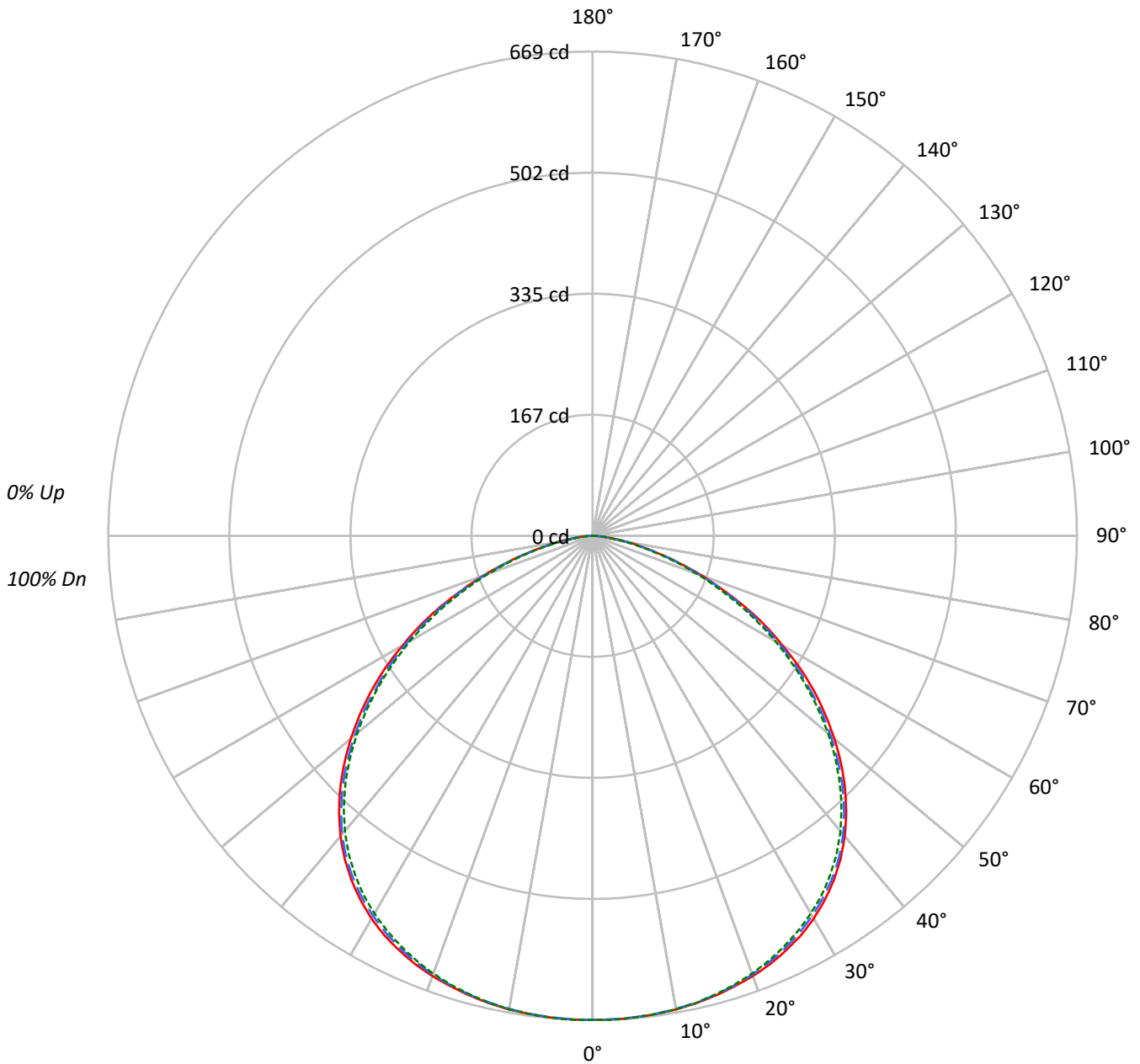
Lumens per Lamp: N/A
Luminaire Lumens: 1946.0 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.7
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°	1800	1800	1800
5°	1804	1804	1805
10°	1816	1814	1815
15°	1832	1829	1828
20°	1854	1848	1843
25°	1877	1867	1859
30°	1898	1885	1873
35°	1908	1897	1879
40°	1903	1892	1871
45°	1876	1858	1837
50°	1824	1795	1776
55°	1749	1707	1685
60°	1630	1601	1569
65°	1477	1447	1405
70°	1260	1238	1198
75°	985	974	928
80°	727	696	657
85°	438	438	408



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.6	3.3
10°-20°	185.7	9.5
20°-30°	290.2	14.9
30°-40°	360.7	18.5
40°-50°	375.8	19.3
50°-60°	326.1	16.8
60°-70°	224.2	11.5
70°-80°	101.2	5.2
80°-90°	18.6	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°	539.5	27.7
0°-40°	900.2	46.3
0°-60°	1602.0	82.3
0°-90°	1946.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1946.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	669	669	669	669	669	
5°	668	668	668	667	668	64
15°	658	658	656	656	656	186
25°	632	632	629	626	626	292
35°	581	581	577	574	572	363
45°	493	493	488	484	483	379
55°	373	371	364	360	359	332
65°	232	231	227	222	221	229
75°	95	95	94	91	89	103
85°	14	14	14	14	13	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	668.8	668.8	668.8	668.8	668.8
2.5°	669.0	669.0	668.6	668.0	669.4
5°	668.0	668.2	667.8	667.2	668.2
7.5°	666.6	666.8	666.3	665.7	666.4
10°	664.5	664.3	663.7	663.3	664.3
12.5°	661.4	661.2	660.6	660.2	661.0
15°	657.5	657.5	656.5	655.9	656.1
17.5°	652.8	652.8	651.5	650.1	650.5
20°	647.4	647.2	645.3	643.9	643.7
22.5°	640.6	640.6	637.9	636.1	635.5
25°	632.2	632.0	628.9	626.4	626.0
27.5°	622.7	622.3	618.6	616.1	615.1
30°	610.8	610.4	606.6	603.8	602.7
32.5°	596.8	597.4	592.9	589.8	588.7
35°	580.9	580.9	577.4	574.1	572.1
37.5°	562.6	562.6	559.3	556.0	553.7
40°	541.8	542.0	538.5	534.4	532.5
42.5°	518.5	518.8	514.2	510.9	508.7
45°	493.0	493.2	488.1	484.4	482.7
47.5°	465.4	465.0	459.3	456.2	454.5
50°	435.8	435.0	428.8	425.9	424.3
52.5°	404.9	403.3	397.9	393.6	392.2
55°	372.8	370.7	363.9	359.6	359.2
57.5°	339.4	336.8	331.2	327.1	325.5
60°	302.8	302.2	297.5	292.7	291.5
62.5°	268.6	266.8	262.7	256.9	256.3
65°	232.0	231.0	227.3	221.9	220.7
67.5°	194.3	195.2	192.1	187.3	185.7
70°	160.2	160.8	157.3	152.9	152.3
72.5°	126.0	127.0	124.1	121.2	120.6
75°	94.7	95.1	93.7	91.2	89.3
77.5°	67.3	68.6	67.1	65.3	63.8
80°	46.9	44.7	44.9	44.1	42.4
82.5°	28.2	27.2	27.0	26.3	25.5
85°	14.2	14.0	14.2	14.0	13.2
87.5°	4.7	5.1	5.3	5.3	4.9
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)