

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: P412962

Luminaire Tested: **14PD-20-PC3-L935**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412962
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-57)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-20-PC3-L935
Description: 2000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

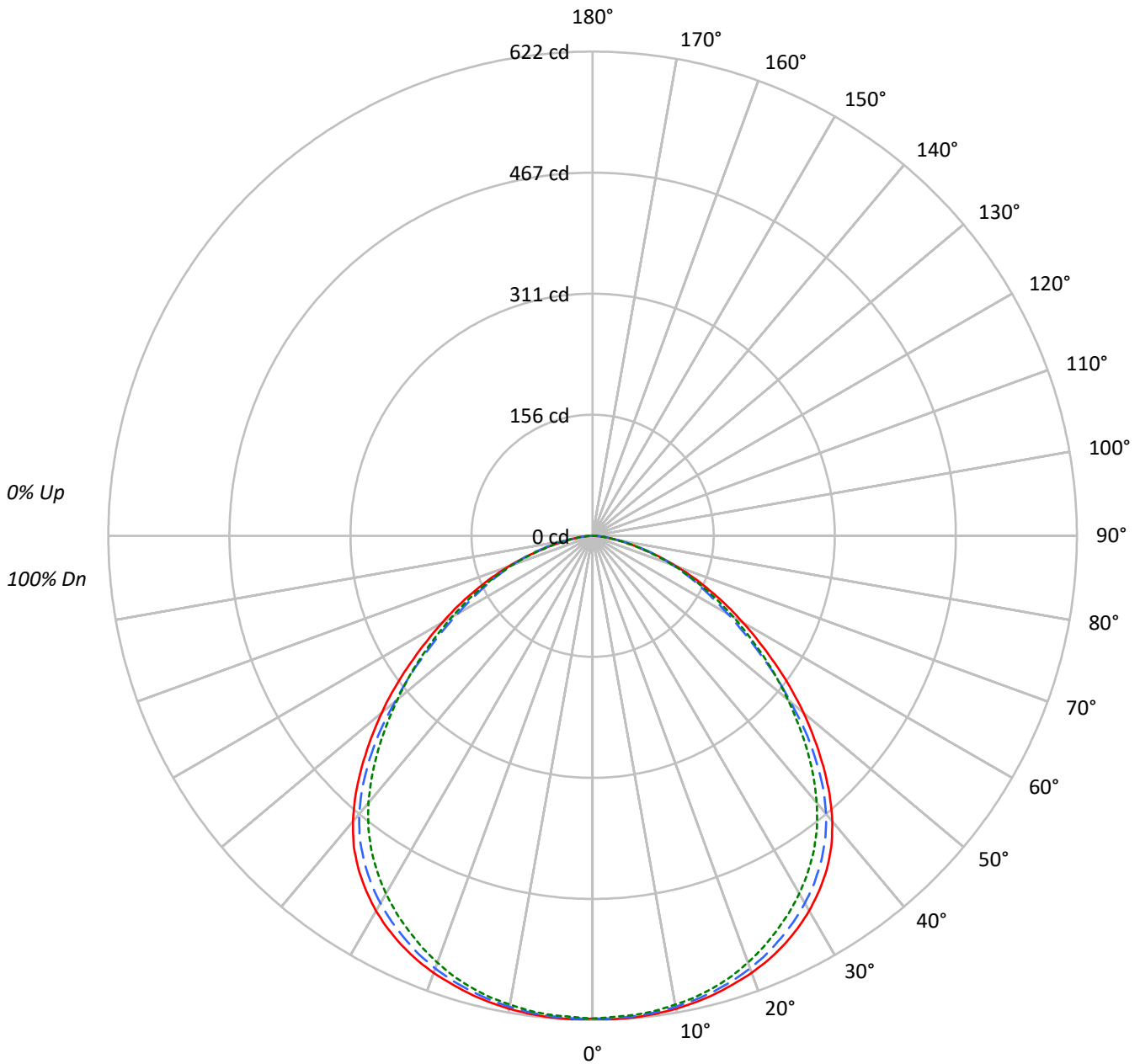
Lumens per Lamp: N/A
Luminaire Lumens: 1603.0 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86																			
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73																			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62																			
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54																			
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	53	49	47																			
6	72	60	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	41																			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37																			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33																			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30																			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1669	1669	1669
5°	1678	1673	1669
10°	1686	1679	1671
15°	1697	1687	1674
20°	1711	1694	1671
25°	1723	1696	1661
30°	1729	1694	1650
35°	1722	1680	1626
40°	1683	1639	1573
45°	1595	1540	1484
50°	1480	1386	1370
55°	1340	1222	1249
60°	1199	1076	1123
65°	1058	965	998
70°	900	854	861
75°	691	729	672
80°	507	533	502
85°	340	374	364



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.9	3.7
10°-20°	170.9	10.7
20°-30°	262.8	16.4
30°-40°	318.0	19.8
40°-50°	310.5	19.4
50°-60°	239.9	15.0
60°-70°	154.1	9.6
70°-80°	72.7	4.5
80°-90°	15.2	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°	492.6	30.7
0°-40°	810.6	50.6
0°-60°	1361.0	84.9
0°-90°	1603.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1603.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	620	620	620	620	620	
5°	621	618	620	619	618	59
15°	609	606	605	603	601	172
25°	580	576	571	564	560	268
35°	524	519	511	500	495	327
45°	419	414	405	394	390	322
55°	286	272	260	261	266	256
65°	166	156	152	150	157	165
75°	66	68	70	64	65	73
85°	11	13	12	12	12	14
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	620.3	620.3	620.3	620.3	620.3
2.5°	621.7	619.2	620.6	620.6	618.6
5°	621.1	618.4	619.5	618.9	617.8
7.5°	619.5	616.7	617.5	617.0	615.6
10°	617.0	614.0	614.5	613.4	611.5
12.5°	613.7	610.9	610.4	608.7	607.4
15°	609.3	606.3	605.4	603.2	601.0
17.5°	603.5	600.5	599.1	595.8	593.3
20°	597.5	593.9	591.4	586.5	583.4
22.5°	589.8	585.6	582.3	575.5	572.4
25°	580.4	575.7	571.1	563.6	559.5
27.5°	569.4	564.5	559.0	550.7	546.1
30°	556.5	551.6	545.2	535.9	530.9
32.5°	541.1	536.2	529.6	518.8	513.9
35°	524.1	518.6	511.4	499.9	494.9
37.5°	503.7	497.7	491.1	478.4	473.2
40°	479.0	473.7	466.6	453.9	447.9
42.5°	450.4	445.7	437.7	425.6	419.8
45°	419.0	413.8	404.7	394.3	389.9
47.5°	386.3	378.6	369.8	360.7	358.3
50°	353.6	343.7	331.0	326.4	327.2
52.5°	320.0	307.4	296.4	292.8	296.9
55°	285.7	271.9	260.4	260.7	266.2
57.5°	253.0	238.7	229.0	229.0	236.2
60°	222.7	209.5	199.9	199.6	208.7
62.5°	194.7	181.2	174.0	174.0	182.3
65°	166.1	156.2	151.5	149.8	156.7
67.5°	139.7	132.8	129.5	127.6	132.0
70°	114.4	110.0	108.6	106.4	109.4
72.5°	89.4	88.3	91.0	85.8	87.2
75°	66.5	67.6	70.1	64.3	64.6
77.5°	47.8	50.0	50.9	48.1	48.1
80°	32.7	35.5	34.4	33.0	32.4
82.5°	20.9	22.3	22.3	21.4	20.9
85°	11.0	12.6	12.1	11.8	11.8
87.5°	4.1	5.8	5.8	5.5	5.2
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)