

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: P412964

Luminaire Tested: **14PD-20-PC3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412964
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-L950
Description: 2000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

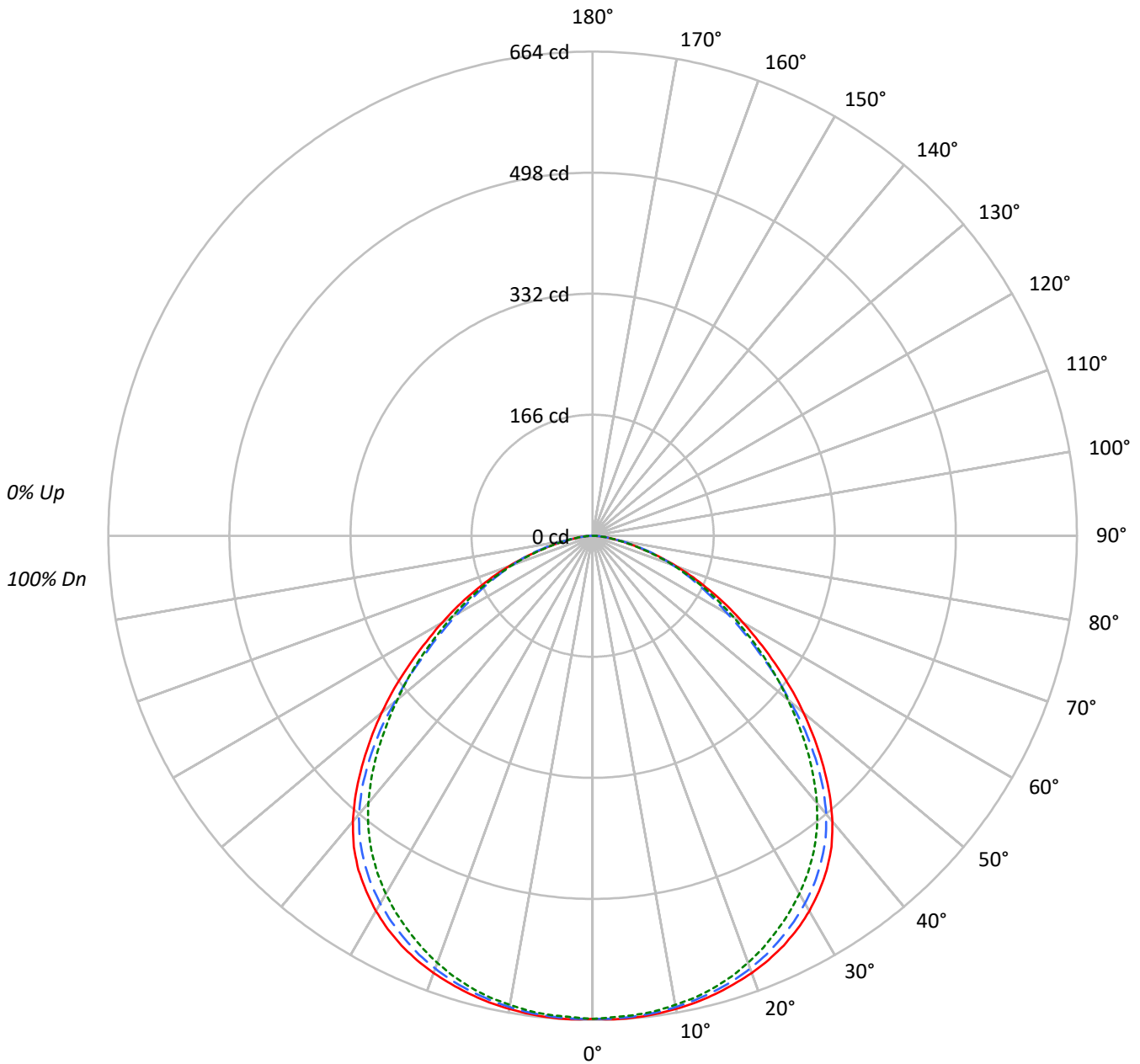
Lumens per Lamp: N/A
Luminaire Lumens: 1712.0 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	1783	1783	1783
5°	1792	1787	1782
10°	1800	1793	1785
15°	1813	1801	1788
20°	1827	1809	1784
25°	1841	1811	1774
30°	1847	1809	1762
35°	1839	1794	1736
40°	1797	1750	1681
45°	1703	1645	1585
50°	1581	1480	1463
55°	1431	1305	1334
60°	1280	1149	1200
65°	1130	1030	1066
70°	961	913	920
75°	739	779	717
80°	541	569	538
85°	361	398	389



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.9	3.7
10°-20°	182.5	10.7
20°-30°	280.7	16.4
30°-40°	339.6	19.8
40°-50°	331.6	19.4
50°-60°	256.2	15.0
60°-70°	164.5	9.6
70°-80°	77.6	4.5
80°-90°	16.3	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°	526.1	30.7
0°-40°	865.7	50.6
0°-60°	1453.5	84.9
0°-90°	1712.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1712.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	662	662	662	662	662	
5°	663	660	662	661	660	63
15°	651	648	647	644	642	184
25°	620	615	610	602	598	286
35°	560	554	546	534	529	349
45°	448	442	432	421	416	344
55°	305	290	278	278	284	274
65°	177	167	162	160	167	177
75°	71	72	75	69	69	78
85°	12	14	13	13	13	15
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	662.5	662.5	662.5	662.5	662.5
2.5°	663.9	661.3	662.8	662.8	660.7
5°	663.3	660.4	661.6	661.0	659.8
7.5°	661.6	658.6	659.5	658.9	657.5
10°	658.9	655.7	656.3	655.1	653.1
12.5°	655.4	652.5	651.9	650.1	648.7
15°	650.7	647.5	646.6	644.3	641.9
17.5°	644.6	641.3	639.9	636.3	633.7
20°	638.1	634.3	631.6	626.3	623.1
22.5°	629.9	625.5	621.9	614.6	611.4
25°	619.9	614.9	609.9	602.0	597.6
27.5°	608.1	602.9	597.0	588.2	583.2
30°	594.3	589.1	582.3	572.3	567.0
32.5°	577.9	572.6	565.6	554.1	548.8
35°	559.7	553.8	546.2	533.8	528.6
37.5°	538.0	531.5	524.5	510.9	505.4
40°	511.5	506.0	498.3	484.8	478.4
42.5°	481.0	476.0	467.5	454.6	448.4
45°	447.5	441.9	432.2	421.1	416.4
47.5°	412.6	404.4	395.0	385.3	382.6
50°	377.6	367.1	353.6	348.6	349.4
52.5°	341.8	328.3	316.6	312.7	317.1
55°	305.1	290.4	278.1	278.4	284.3
57.5°	270.2	254.9	244.6	244.6	252.2
60°	237.9	223.8	213.5	213.2	222.9
62.5°	207.9	193.5	185.9	185.9	194.7
65°	177.4	166.8	161.8	160.0	167.4
67.5°	149.2	141.8	138.3	136.3	141.0
70°	122.2	117.5	116.0	113.6	116.9
72.5°	95.4	94.3	97.2	91.6	93.1
75°	71.1	72.2	74.9	68.7	69.0
77.5°	51.1	53.4	54.3	51.4	51.4
80°	34.9	37.9	36.7	35.2	34.7
82.5°	22.3	23.8	23.8	22.9	22.3
85°	11.7	13.5	12.9	12.6	12.6
87.5°	4.4	6.2	6.2	5.9	5.6
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)