

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: P412672

Luminaire Tested: **14PD-50-PP3-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412672
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-50-PP3-L927
Description: 5000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

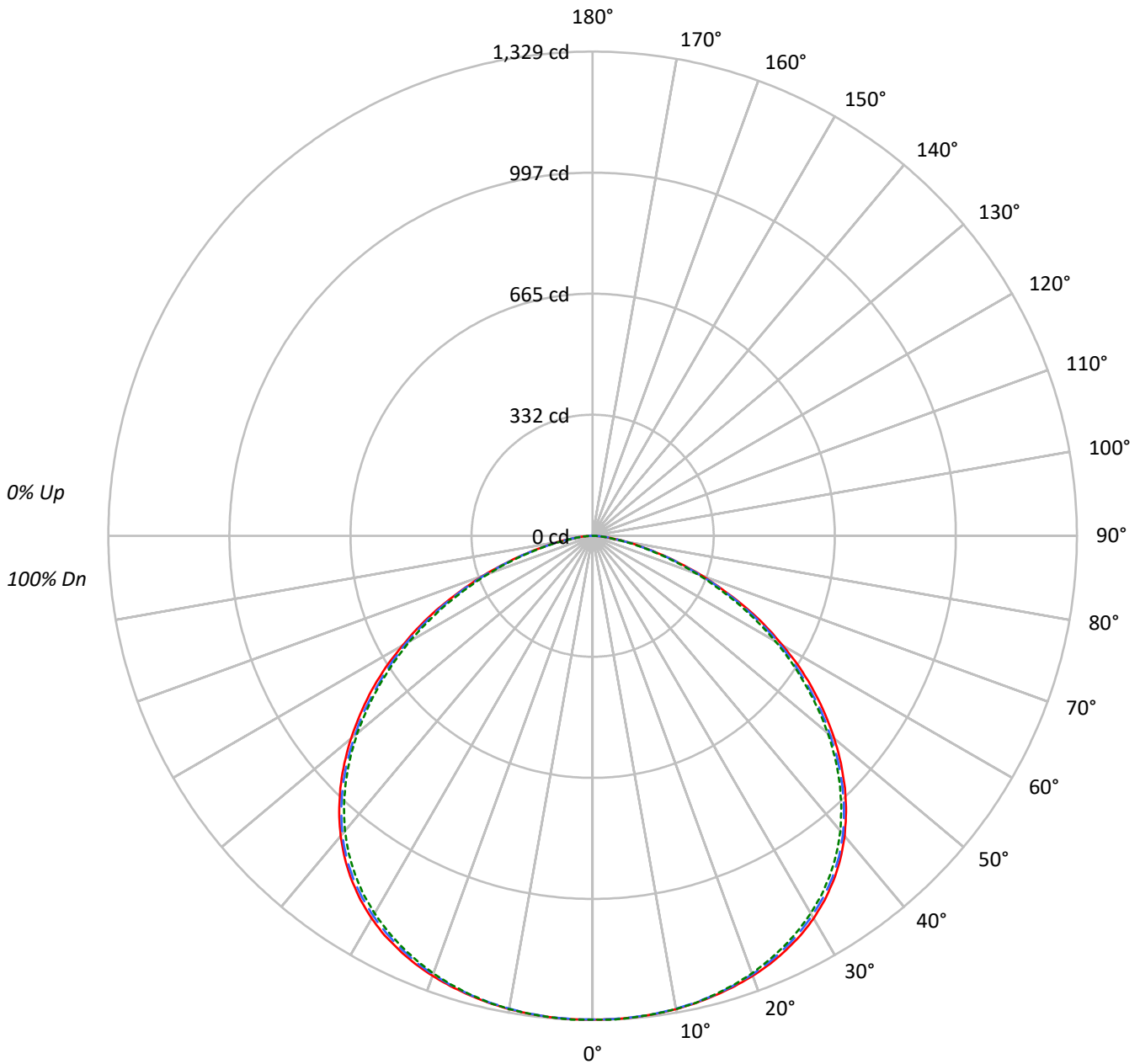
Lumens per Lamp: N/A
Luminaire Lumens: 3864.0 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 48.6
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°	3573	3573	3573
5°	3583	3582	3584
10°	3605	3601	3604
15°	3637	3632	3629
20°	3681	3669	3660
25°	3727	3708	3691
30°	3769	3742	3718
35°	3789	3766	3732
40°	3779	3756	3714
45°	3725	3688	3647
50°	3623	3564	3527
55°	3473	3390	3346
60°	3236	3180	3115
65°	2933	2874	2791
70°	2504	2458	2378
75°	1956	1935	1842
80°	1443	1382	1305
85°	871	871	812



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.3	3.3
10°-20°	368.7	9.5
20°-30°	576.2	14.9
30°-40°	716.2	18.5
40°-50°	746.2	19.3
50°-60°	647.5	16.8
60°-70°	445.2	11.5
70°-80°	200.9	5.2
80°-90°	36.8	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°	1071.2	27.7
0°-40°	1787.4	46.3
0°-60°	3181.1	82.3
0°-90°	3864.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3864.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1328	1328	1328	1328	1328	
5°	1326	1327	1326	1325	1327	126
15°	1306	1306	1304	1302	1303	369
25°	1255	1255	1249	1244	1243	579
35°	1153	1153	1146	1140	1136	721
45°	979	979	969	962	958	753
55°	740	736	722	714	713	660
65°	461	459	451	441	438	455
75°	188	189	186	181	177	205
85°	28	28	28	28	26	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1327.9	1327.9	1327.9	1327.9	1327.9
2.5°	1328.3	1328.3	1327.6	1326.4	1329.1
5°	1326.4	1326.8	1326.0	1324.9	1326.8
7.5°	1323.7	1324.1	1322.9	1321.8	1323.3
10°	1319.4	1319.1	1317.9	1317.1	1319.1
12.5°	1313.3	1312.9	1311.7	1311.0	1312.5
15°	1305.5	1305.5	1303.6	1302.5	1302.8
17.5°	1296.3	1296.3	1293.6	1290.9	1291.6
20°	1285.5	1285.1	1281.2	1278.5	1278.1
22.5°	1272.0	1272.0	1266.5	1263.1	1261.9
25°	1255.3	1255.0	1248.8	1243.8	1243.0
27.5°	1236.4	1235.7	1228.3	1223.3	1221.4
30°	1212.9	1212.1	1204.4	1199.0	1196.7
32.5°	1185.1	1186.2	1177.3	1171.2	1168.9
35°	1153.4	1153.4	1146.5	1139.9	1136.0
37.5°	1117.1	1117.1	1110.5	1104.0	1099.3
40°	1075.8	1076.2	1069.2	1061.1	1057.3
42.5°	1029.5	1030.2	1021.0	1014.4	1010.1
45°	978.9	979.3	969.2	961.9	958.4
47.5°	924.0	923.3	912.1	905.9	902.4
50°	865.3	863.8	851.4	845.7	842.6
52.5°	803.9	800.9	790.0	781.6	778.8
55°	740.2	736.0	722.5	714.0	713.2
57.5°	673.8	668.8	657.6	649.5	646.4
60°	601.2	600.1	590.8	581.1	578.8
62.5°	533.3	529.8	521.7	510.1	508.9
65°	460.7	458.7	451.4	440.6	438.3
67.5°	385.8	387.7	381.5	371.9	368.8
70°	318.2	319.3	312.4	303.5	302.3
72.5°	250.2	252.2	246.4	240.6	239.4
75°	188.1	188.8	186.1	181.1	177.2
77.5°	133.6	136.3	133.2	129.7	126.7
80°	93.1	88.8	89.2	87.7	84.2
82.5°	56.0	54.1	53.7	52.1	50.6
85°	28.2	27.8	28.2	27.8	26.3
87.5°	9.3	10.0	10.4	10.4	9.7
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)