

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: P412664

Luminaire Tested: **14PD-45-PP3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412664
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-45-PP3-L930
Description: 4500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

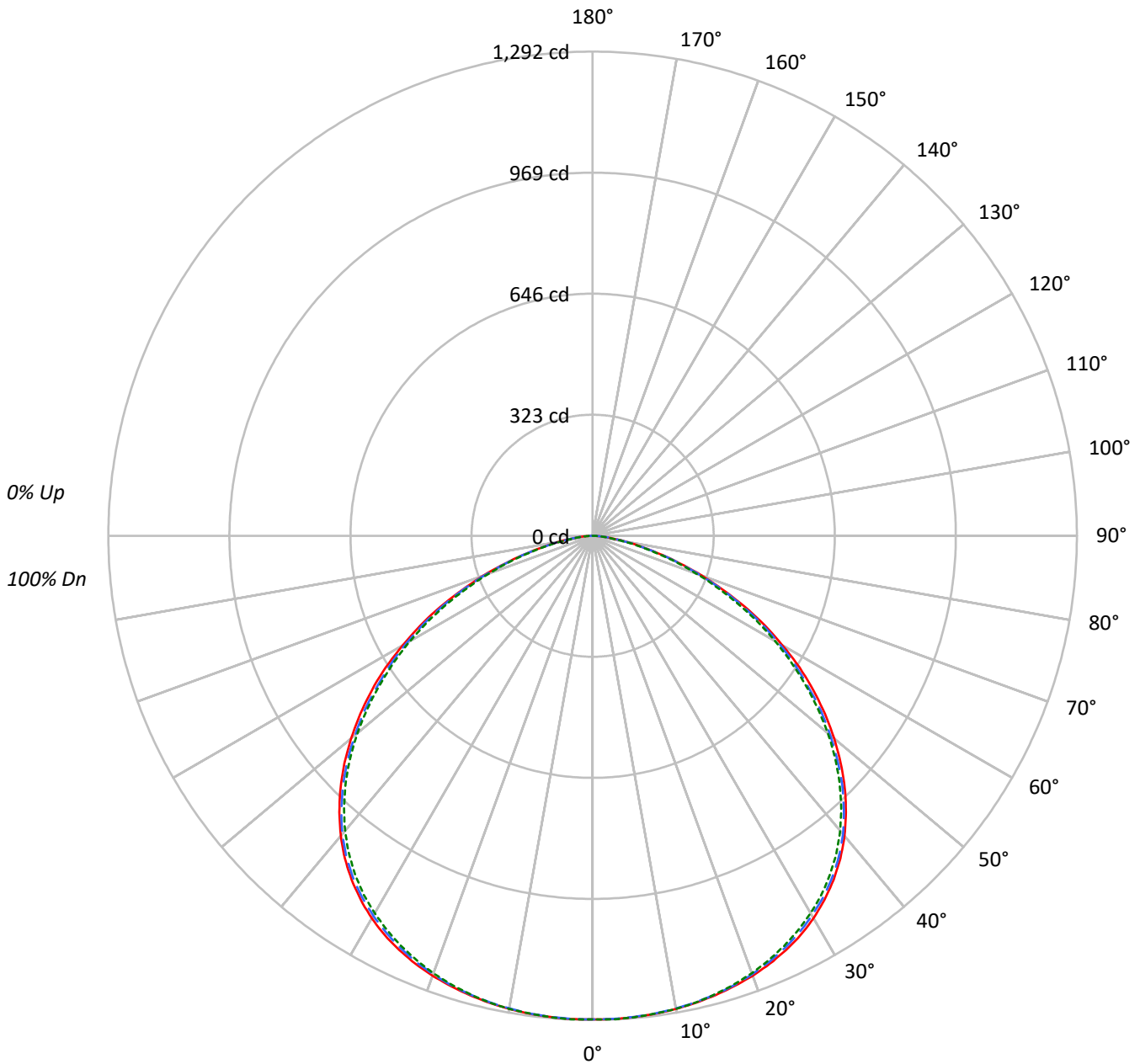
Lumens per Lamp: N/A
Luminaire Lumens: 3755.0 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 42.9
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°	3473	3473	3473
5°	3482	3481	3483
10°	3504	3500	3503
15°	3534	3529	3527
20°	3577	3566	3557
25°	3622	3603	3586
30°	3663	3637	3613
35°	3682	3660	3627
40°	3672	3650	3609
45°	3620	3585	3545
50°	3520	3464	3428
55°	3375	3294	3252
60°	3145	3090	3027
65°	2851	2793	2712
70°	2433	2389	2312
75°	1900	1881	1790
80°	1401	1344	1268
85°	846	846	787



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.8	3.3
10°-20°	358.3	9.5
20°-30°	560.0	14.9
30°-40°	695.9	18.5
40°-50°	725.1	19.3
50°-60°	629.2	16.8
60°-70°	432.7	11.5
70°-80°	195.3	5.2
80°-90°	35.8	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°	1041.0	27.7
0°-40°	1737.0	46.3
0°-60°	3091.3	82.3
0°-90°	3755.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3755.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1290	1290	1290	1290	1290	
5°	1289	1289	1289	1288	1289	123
15°	1269	1269	1267	1266	1266	359
25°	1220	1220	1214	1209	1208	563
35°	1121	1121	1114	1108	1104	700
45°	951	952	942	935	931	732
55°	719	715	702	694	693	641
65°	448	446	439	428	426	442
75°	183	184	181	176	172	199
85°	27	27	27	27	26	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1290.5	1290.5	1290.5	1290.5	1290.5
2.5°	1290.9	1290.9	1290.1	1289.0	1291.6
5°	1289.0	1289.4	1288.6	1287.5	1289.4
7.5°	1286.4	1286.7	1285.6	1284.5	1286.0
10°	1282.2	1281.9	1280.7	1280.0	1281.9
12.5°	1276.2	1275.8	1274.7	1274.0	1275.5
15°	1268.7	1268.7	1266.8	1265.7	1266.1
17.5°	1259.7	1259.7	1257.1	1254.5	1255.2
20°	1249.2	1248.8	1245.1	1242.5	1242.1
22.5°	1236.1	1236.1	1230.8	1227.4	1226.3
25°	1219.9	1219.6	1213.6	1208.7	1207.9
27.5°	1201.5	1200.8	1193.7	1188.8	1186.9
30°	1178.7	1177.9	1170.4	1165.2	1162.9
32.5°	1151.6	1152.8	1144.1	1138.1	1135.9
35°	1120.9	1120.9	1114.1	1107.7	1104.0
37.5°	1085.6	1085.6	1079.2	1072.8	1068.3
40°	1045.4	1045.8	1039.1	1031.2	1027.4
42.5°	1000.4	1001.2	992.2	985.8	981.7
45°	951.3	951.6	941.9	934.7	931.4
47.5°	898.0	897.2	886.3	880.3	877.0
50°	840.9	839.4	827.4	821.8	818.8
52.5°	781.3	778.3	767.8	759.5	756.9
55°	719.4	715.2	702.1	693.8	693.1
57.5°	654.8	649.9	639.1	631.2	628.2
60°	584.3	583.1	574.1	564.8	562.5
62.5°	518.2	514.8	507.0	495.7	494.6
65°	447.7	445.8	438.7	428.2	425.9
67.5°	374.9	376.8	370.7	361.4	358.4
70°	309.2	310.3	303.6	294.9	293.8
72.5°	243.2	245.0	239.4	233.8	232.7
75°	182.7	183.5	180.9	176.0	172.2
77.5°	129.8	132.5	129.5	126.1	123.1
80°	90.4	86.3	86.7	85.2	81.8
82.5°	54.4	52.5	52.2	50.7	49.2
85°	27.4	27.0	27.4	27.0	25.5
87.5°	9.0	9.8	10.1	10.1	9.4
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)