

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: P412665

Luminaire Tested: **14PD-45-PP3-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412665
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-L935
Description: 4500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

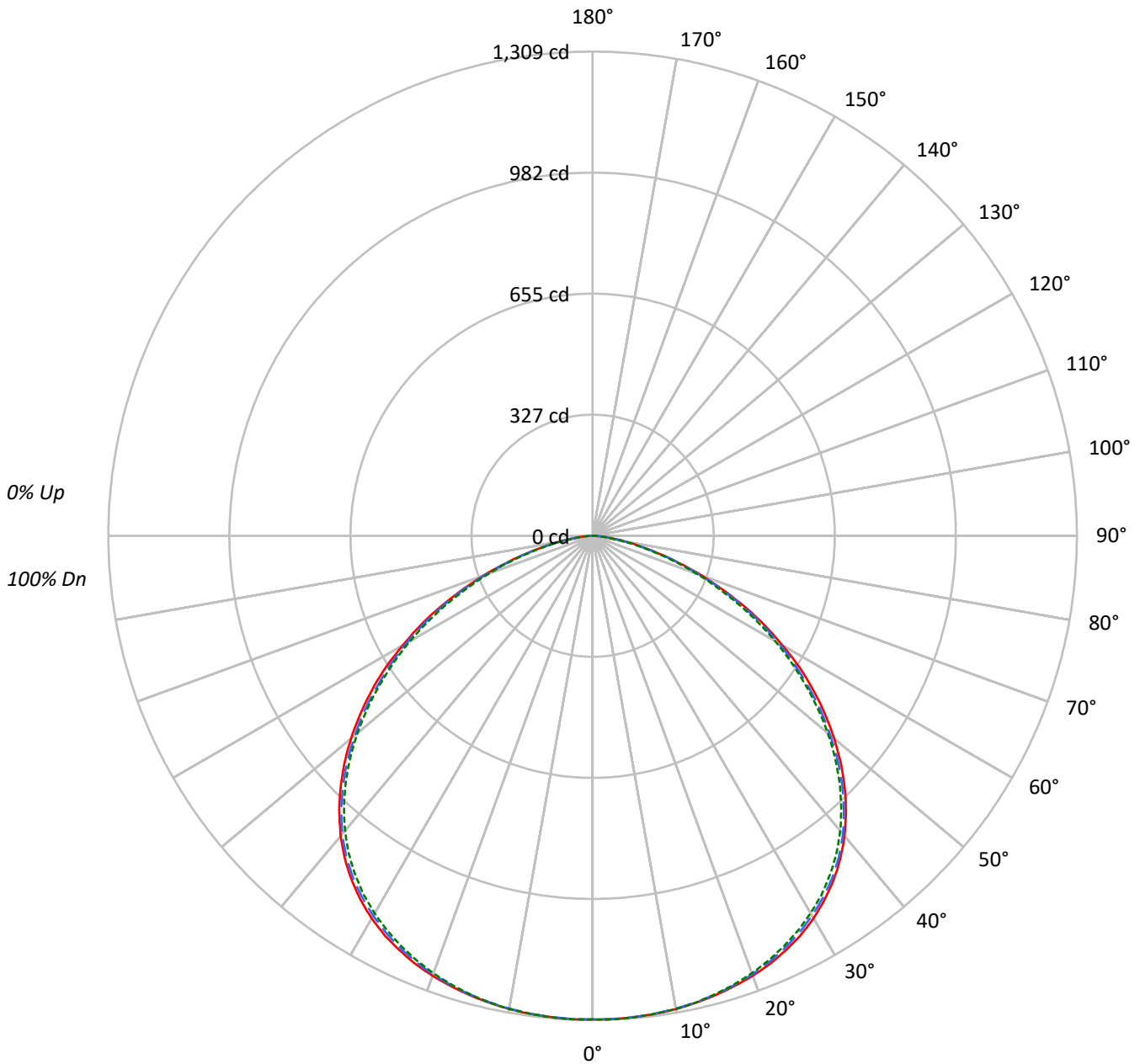
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3805.0 lumens
Efficiency: N/A
Efficacy: 88.7 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): 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°	3519	3519	3519
5°	3528	3527	3529
10°	3550	3546	3549
15°	3582	3576	3574
20°	3625	3613	3604
25°	3670	3651	3634
30°	3711	3685	3662
35°	3731	3709	3675
40°	3721	3699	3657
45°	3668	3632	3592
50°	3567	3510	3473
55°	3420	3338	3295
60°	3186	3131	3068
65°	2888	2830	2748
70°	2465	2420	2342
75°	1926	1906	1814
80°	1420	1361	1285
85°	858	858	800



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.4	3.3
10°-20°	363.0	9.5
20°-30°	567.4	14.9
30°-40°	705.2	18.5
40°-50°	734.8	19.3
50°-60°	637.6	16.8
60°-70°	438.4	11.5
70°-80°	197.8	5.2
80°-90°	36.3	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°	1054.9	27.7
0°-40°	1760.1	46.3
0°-60°	3132.5	82.3
0°-90°	3805.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3805.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1308	1308	1308	1308	1308	
5°	1306	1306	1306	1305	1306	124
15°	1286	1286	1284	1283	1283	364
25°	1236	1236	1230	1225	1224	570
35°	1136	1136	1129	1122	1119	710
45°	964	964	954	947	944	742
55°	729	725	711	703	702	650
65°	454	452	444	434	432	448
75°	185	186	183	178	174	202
85°	28	27	28	27	26	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1307.7	1307.7	1307.7	1307.7	1307.7
2.5°	1308.0	1308.0	1307.3	1306.1	1308.8
5°	1306.1	1306.5	1305.8	1304.6	1306.5
7.5°	1303.5	1303.9	1302.7	1301.6	1303.1
10°	1299.3	1298.9	1297.8	1297.0	1298.9
12.5°	1293.2	1292.8	1291.7	1290.9	1292.5
15°	1285.6	1285.6	1283.7	1282.6	1283.0
17.5°	1276.5	1276.5	1273.8	1271.2	1271.9
20°	1265.8	1265.5	1261.7	1259.0	1258.6
22.5°	1252.5	1252.5	1247.2	1243.8	1242.6
25°	1236.2	1235.8	1229.7	1224.8	1224.0
27.5°	1217.5	1216.8	1209.6	1204.6	1202.7
30°	1194.4	1193.6	1186.0	1180.7	1178.4
32.5°	1167.0	1168.1	1159.4	1153.3	1151.0
35°	1135.8	1135.8	1129.0	1122.5	1118.7
37.5°	1100.1	1100.1	1093.6	1087.1	1082.6
40°	1059.4	1059.7	1052.9	1044.9	1041.1
42.5°	1013.7	1014.5	1005.4	998.9	994.7
45°	963.9	964.3	954.4	947.2	943.8
47.5°	909.9	909.2	898.1	892.1	888.6
50°	852.1	850.6	838.4	832.7	829.7
52.5°	791.7	788.6	778.0	769.6	767.0
55°	728.9	724.7	711.4	703.1	702.3
57.5°	663.5	658.6	647.6	639.6	636.5
60°	592.0	590.9	581.8	572.3	570.0
62.5°	525.1	521.7	513.7	502.3	501.2
65°	453.6	451.7	444.5	433.9	431.6
67.5°	379.9	381.8	375.7	366.2	363.1
70°	313.3	314.5	307.6	298.9	297.7
72.5°	246.4	248.3	242.6	236.9	235.8
75°	185.2	185.9	183.3	178.3	174.5
77.5°	131.6	134.2	131.2	127.8	124.7
80°	91.6	87.5	87.8	86.3	82.9
82.5°	55.1	53.2	52.9	51.3	49.8
85°	27.8	27.4	27.8	27.4	25.9
87.5°	9.1	9.9	10.3	10.3	9.5
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)