

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: P412984

Luminaire Tested: **14PD-35-PC3-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412984
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-35-PC3-L835
Description: 3500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

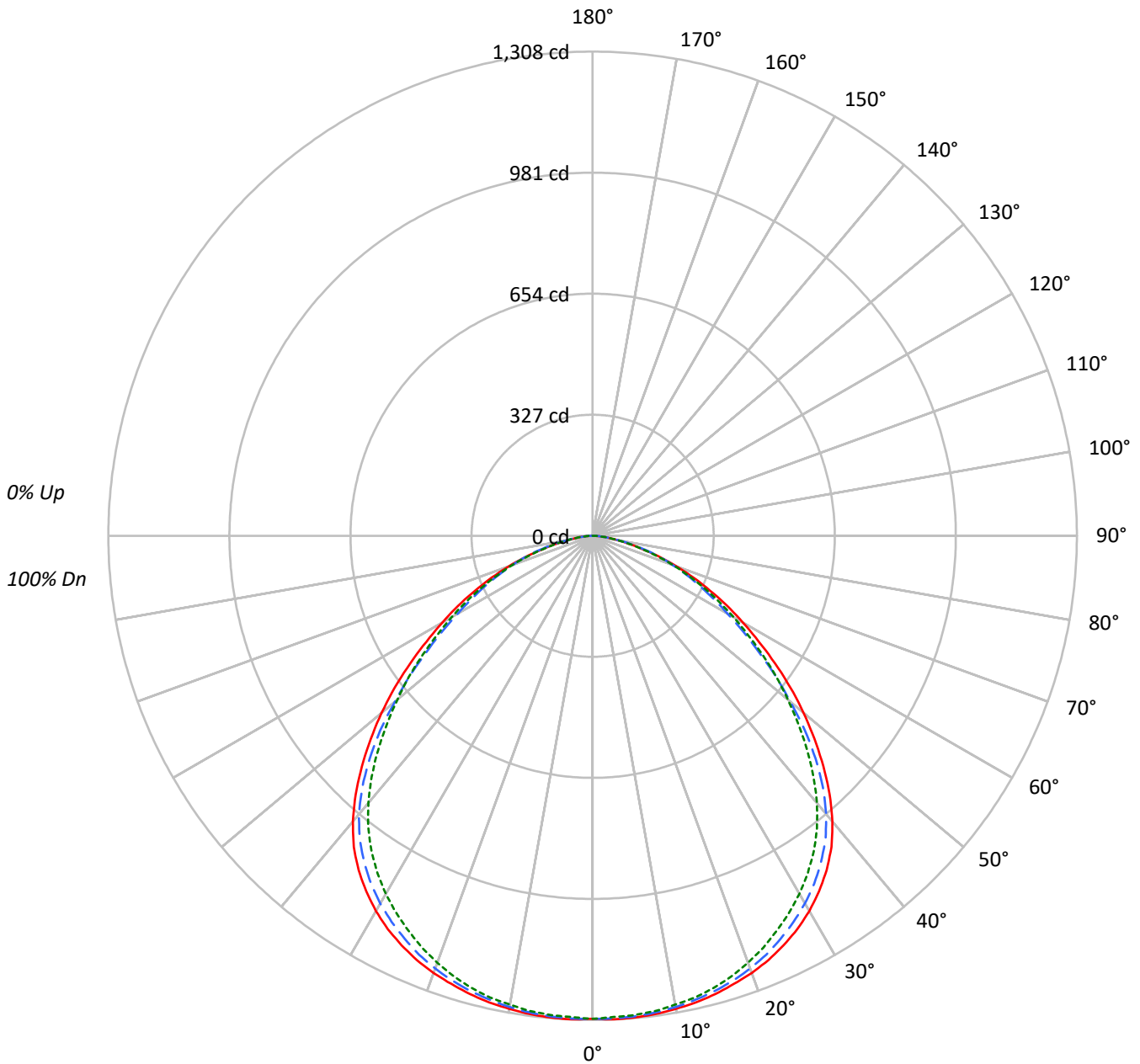
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3372.0 lumens
Efficiency: N/A
Efficacy: 106.0 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): 31.8
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°	3511	3511	3511
5°	3529	3520	3511
10°	3547	3532	3515
15°	3571	3548	3522
20°	3599	3563	3515
25°	3625	3567	3495
30°	3637	3564	3470
35°	3621	3534	3420
40°	3539	3448	3310
45°	3354	3240	3121
50°	3114	2915	2882
55°	2819	2570	2627
60°	2521	2263	2363
65°	2224	2029	2099
70°	1893	1798	1811
75°	1456	1534	1413
80°	1066	1120	1057
85°	713	784	769



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.0	3.7
10°-20°	359.4	10.7
20°-30°	552.8	16.4
30°-40°	668.9	19.8
40°-50°	653.1	19.4
50°-60°	504.6	15.0
60°-70°	324.1	9.6
70°-80°	152.9	4.5
80°-90°	32.1	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°	1036.2	30.7
0°-40°	1705.2	50.6
0°-60°	2862.9	84.9
0°-90°	3372.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3372.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1305	1305	1305	1305	1305	
5°	1306	1301	1303	1302	1300	124
15°	1282	1275	1274	1269	1264	362
25°	1221	1211	1201	1186	1177	563
35°	1102	1091	1076	1052	1041	687
45°	881	870	851	829	820	678
55°	601	572	548	548	560	539
65°	349	328	319	315	330	348
75°	140	142	148	135	136	154
85°	23	27	25	25	25	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1304.8	1304.8	1304.8	1304.8	1304.8
2.5°	1307.7	1302.5	1305.4	1305.4	1301.3
5°	1306.5	1300.8	1303.1	1301.9	1299.6
7.5°	1303.1	1297.3	1299.0	1297.9	1295.0
10°	1297.9	1291.5	1292.7	1290.4	1286.3
12.5°	1290.9	1285.1	1284.0	1280.5	1277.6
15°	1281.7	1275.3	1273.6	1269.0	1264.3
17.5°	1269.5	1263.2	1260.3	1253.3	1248.1
20°	1256.8	1249.3	1244.1	1233.7	1227.3
22.5°	1240.6	1231.9	1225.0	1210.5	1204.2
25°	1220.9	1211.1	1201.3	1185.7	1177.0
27.5°	1197.8	1187.4	1175.8	1158.5	1148.7
30°	1170.6	1160.2	1146.9	1127.3	1116.8
32.5°	1138.2	1127.8	1113.9	1091.4	1081.0
35°	1102.4	1090.8	1075.8	1051.5	1041.1
37.5°	1059.6	1046.9	1033.0	1006.4	995.4
40°	1007.5	996.5	981.5	954.9	942.2
42.5°	947.4	937.5	920.8	895.3	883.2
45°	881.4	870.5	851.4	829.4	820.1
47.5°	812.6	796.4	777.9	758.8	753.6
50°	743.8	723.0	696.4	686.5	688.3
52.5°	673.2	646.6	623.5	616.0	624.6
55°	600.9	572.0	547.7	548.3	559.9
57.5°	532.1	502.0	481.8	481.8	496.8
60°	468.5	440.7	420.5	419.9	439.0
62.5°	409.5	381.1	366.1	366.1	383.5
65°	349.3	328.5	318.7	315.2	329.7
67.5°	293.8	279.4	272.4	268.4	277.6
70°	240.6	231.3	228.5	223.8	230.2
72.5°	188.0	185.7	191.4	180.5	183.3
75°	140.0	142.3	147.5	135.3	135.9
77.5°	100.6	105.3	107.0	101.2	101.2
80°	68.8	74.6	72.3	69.4	68.2
82.5°	44.0	46.8	46.8	45.1	44.0
85°	23.1	26.6	25.4	24.9	24.9
87.5°	8.7	12.1	12.1	11.6	11.0
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)