

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: P412986

Luminaire Tested: **14PD-35-PC3-L850**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412986
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-L850
Description: 3500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

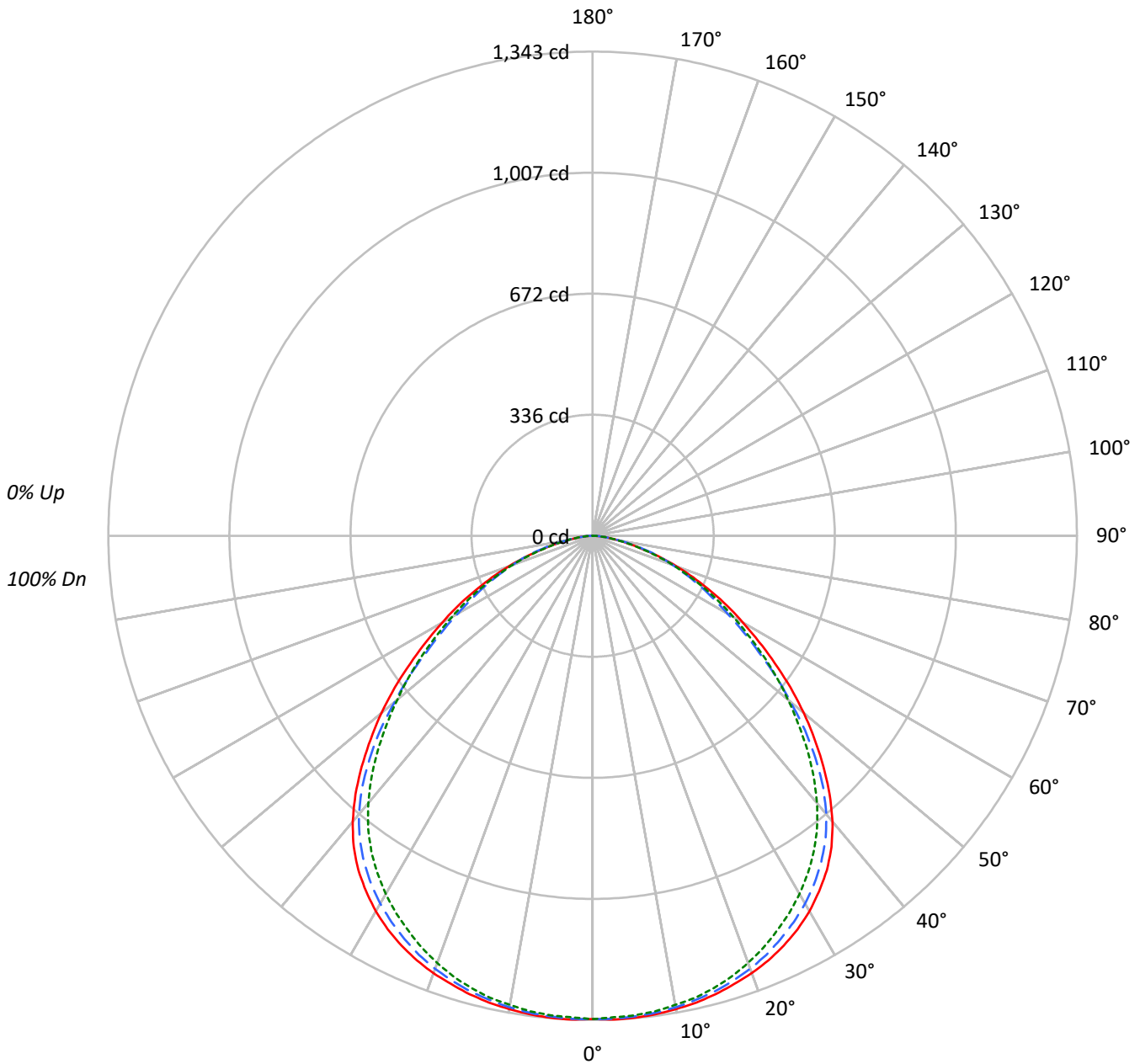
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3464.0 lumens
Efficiency: N/A
Efficacy: 108.9 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°	3607	3607	3607
5°	3626	3616	3606
10°	3643	3628	3611
15°	3668	3645	3618
20°	3697	3660	3611
25°	3724	3664	3590
30°	3737	3661	3565
35°	3720	3630	3513
40°	3636	3542	3400
45°	3446	3328	3206
50°	3199	2995	2960
55°	2896	2640	2698
60°	2590	2325	2427
65°	2285	2085	2157
70°	1945	1847	1861
75°	1495	1575	1451
80°	1096	1151	1086
85°	735	806	787



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.4	3.7
10°-20°	369.2	10.7
20°-30°	567.9	16.4
30°-40°	687.2	19.8
40°-50°	670.9	19.4
50°-60°	518.4	15.0
60°-70°	332.9	9.6
70°-80°	157.1	4.5
80°-90°	32.9	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°	1064.5	30.7
0°-40°	1751.7	50.6
0°-60°	2941.0	84.9
0°-90°	3464.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3464.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1340	1340	1340	1340	1340	
5°	1342	1336	1339	1337	1335	128
15°	1317	1310	1308	1304	1299	372
25°	1254	1244	1234	1218	1209	578
35°	1132	1121	1105	1080	1070	706
45°	906	894	875	852	842	697
55°	617	588	563	563	575	553
65°	359	338	327	324	339	357
75°	144	146	152	139	140	158
85°	24	27	26	26	26	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1340.4	1340.4	1340.4	1340.4	1340.4
2.5°	1343.4	1338.0	1341.0	1341.0	1336.8
5°	1342.2	1336.3	1338.6	1337.4	1335.1
7.5°	1338.6	1332.7	1334.5	1333.3	1330.3
10°	1333.3	1326.7	1327.9	1325.6	1321.4
12.5°	1326.2	1320.2	1319.0	1315.5	1312.5
15°	1316.6	1310.1	1308.3	1303.6	1298.8
17.5°	1304.2	1297.6	1294.7	1287.5	1282.2
20°	1291.1	1283.4	1278.0	1267.3	1260.8
22.5°	1274.5	1265.5	1258.4	1243.6	1237.0
25°	1254.3	1244.2	1234.1	1218.0	1209.1
27.5°	1230.5	1219.8	1207.9	1190.1	1180.0
30°	1202.6	1191.9	1178.2	1158.0	1147.3
32.5°	1169.3	1158.6	1144.3	1121.2	1110.5
35°	1132.5	1120.6	1105.1	1080.2	1069.5
37.5°	1088.5	1075.4	1061.2	1033.8	1022.5
40°	1035.0	1023.7	1008.3	980.9	967.9
42.5°	973.2	963.1	945.9	919.8	907.3
45°	905.5	894.2	874.6	852.0	842.5
47.5°	834.8	818.2	799.1	779.5	774.2
50°	764.1	742.7	715.4	705.3	707.0
52.5°	691.6	664.3	640.5	632.8	641.7
55°	617.3	587.6	562.7	563.3	575.1
57.5°	546.6	515.7	494.9	494.9	510.4
60°	481.3	452.7	432.0	431.4	451.0
62.5°	420.7	391.5	376.1	376.1	393.9
65°	358.9	337.5	327.4	323.8	338.7
67.5°	301.8	287.0	279.8	275.7	285.2
70°	247.2	237.7	234.7	229.9	236.5
72.5°	193.1	190.7	196.7	185.4	188.3
75°	143.8	146.2	151.5	139.0	139.6
77.5°	103.4	108.1	109.9	104.0	104.0
80°	70.7	76.6	74.3	71.3	70.1
82.5°	45.2	48.1	48.1	46.3	45.2
85°	23.8	27.3	26.1	25.5	25.5
87.5°	8.9	12.5	12.5	11.9	11.3
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)