

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: P412983

Luminaire Tested: **14PD-35-PC3-L830**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412983
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-L830
Description: 3500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

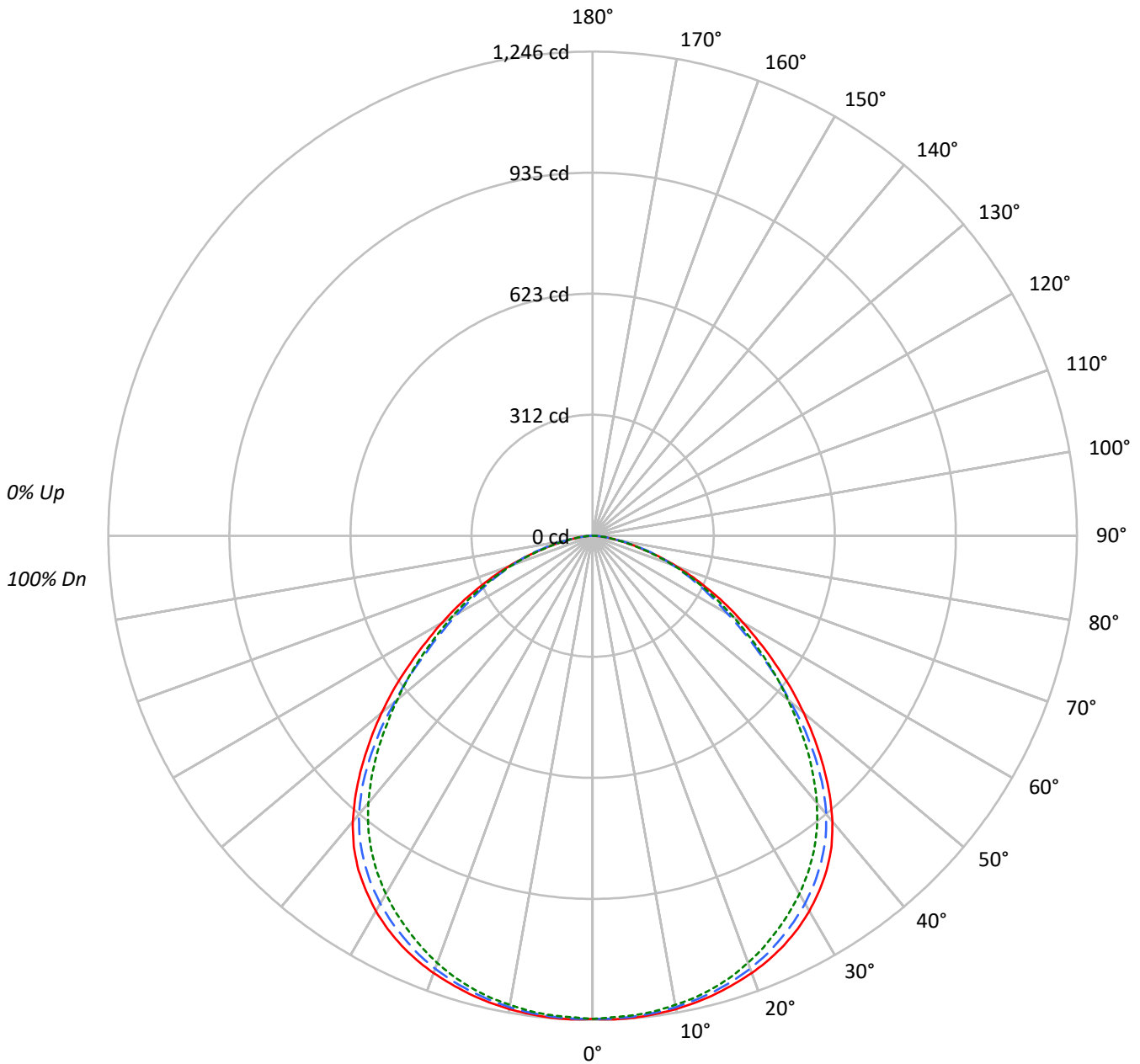
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3213.0 lumens
Efficiency: N/A
Efficacy: 101.0 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°	3346	3346	3346
5°	3363	3354	3345
10°	3379	3366	3349
15°	3402	3381	3356
20°	3429	3395	3349
25°	3454	3399	3330
30°	3466	3396	3307
35°	3451	3368	3259
40°	3372	3285	3153
45°	3196	3087	2974
50°	2967	2778	2745
55°	2686	2449	2503
60°	2403	2157	2251
65°	2120	1934	2000
70°	1804	1713	1725
75°	1387	1461	1346
80°	1017	1068	1007
85°	679	747	732



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.1	3.7
10°-20°	342.5	10.7
20°-30°	526.8	16.4
30°-40°	637.4	19.8
40°-50°	622.3	19.4
50°-60°	480.9	15.0
60°-70°	308.8	9.6
70°-80°	145.7	4.5
80°-90°	30.6	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°	987.4	30.7
0°-40°	1624.8	50.6
0°-60°	2727.9	84.9
0°-90°	3213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3213.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1243	1243	1243	1243	1243	
5°	1245	1239	1242	1240	1238	119
15°	1221	1215	1214	1209	1205	345
25°	1163	1154	1145	1130	1122	536
35°	1050	1039	1025	1002	992	655
45°	840	829	811	790	782	646
55°	573	545	522	522	534	513
65°	333	313	304	300	314	331
75°	133	136	140	129	130	146
85°	22	25	24	24	24	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1243.3	1243.3	1243.3	1243.3	1243.3
2.5°	1246.0	1241.1	1243.8	1243.8	1240.0
5°	1244.9	1239.4	1241.6	1240.5	1238.3
7.5°	1241.6	1236.1	1237.8	1236.7	1233.9
10°	1236.7	1230.6	1231.7	1229.5	1225.7
12.5°	1230.1	1224.5	1223.4	1220.1	1217.4
15°	1221.2	1215.2	1213.5	1209.1	1204.7
17.5°	1209.7	1203.6	1200.9	1194.2	1189.3
20°	1197.5	1190.4	1185.4	1175.5	1169.4
22.5°	1182.1	1173.8	1167.2	1153.5	1147.4
25°	1163.4	1154.0	1144.6	1129.8	1121.5
27.5°	1141.3	1131.4	1120.4	1103.9	1094.5
30°	1115.4	1105.5	1092.8	1074.1	1064.2
32.5°	1084.6	1074.6	1061.4	1039.9	1030.0
35°	1050.4	1039.4	1025.1	1001.9	992.0
37.5°	1009.6	997.5	984.3	958.9	948.4
40°	960.0	949.5	935.2	909.9	897.7
42.5°	902.7	893.3	877.4	853.1	841.5
45°	839.9	829.4	811.2	790.3	781.5
47.5°	774.3	758.9	741.2	723.0	718.1
50°	708.7	688.9	663.5	654.2	655.8
52.5°	641.5	616.1	594.1	586.9	595.2
55°	572.6	545.0	521.9	522.4	533.5
57.5°	507.0	478.4	459.1	459.1	473.4
60°	446.4	419.9	400.7	400.1	418.3
62.5°	390.2	363.2	348.8	348.8	365.4
65°	332.9	313.0	303.7	300.4	314.1
67.5°	280.0	266.2	259.6	255.7	264.5
70°	229.3	220.4	217.7	213.3	219.3
72.5°	179.1	176.9	182.4	171.9	174.7
75°	133.4	135.6	140.5	129.0	129.5
77.5°	95.9	100.3	102.0	96.4	96.4
80°	65.6	71.1	68.9	66.1	65.0
82.5°	41.9	44.6	44.6	43.0	41.9
85°	22.0	25.4	24.2	23.7	23.7
87.5°	8.3	11.6	11.6	11.0	10.5
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)