

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: P412990

Luminaire Tested: **14PD-35-PC3-L940**

Issue Date: 9/15/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P412990  
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-L940  
Description: 3500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

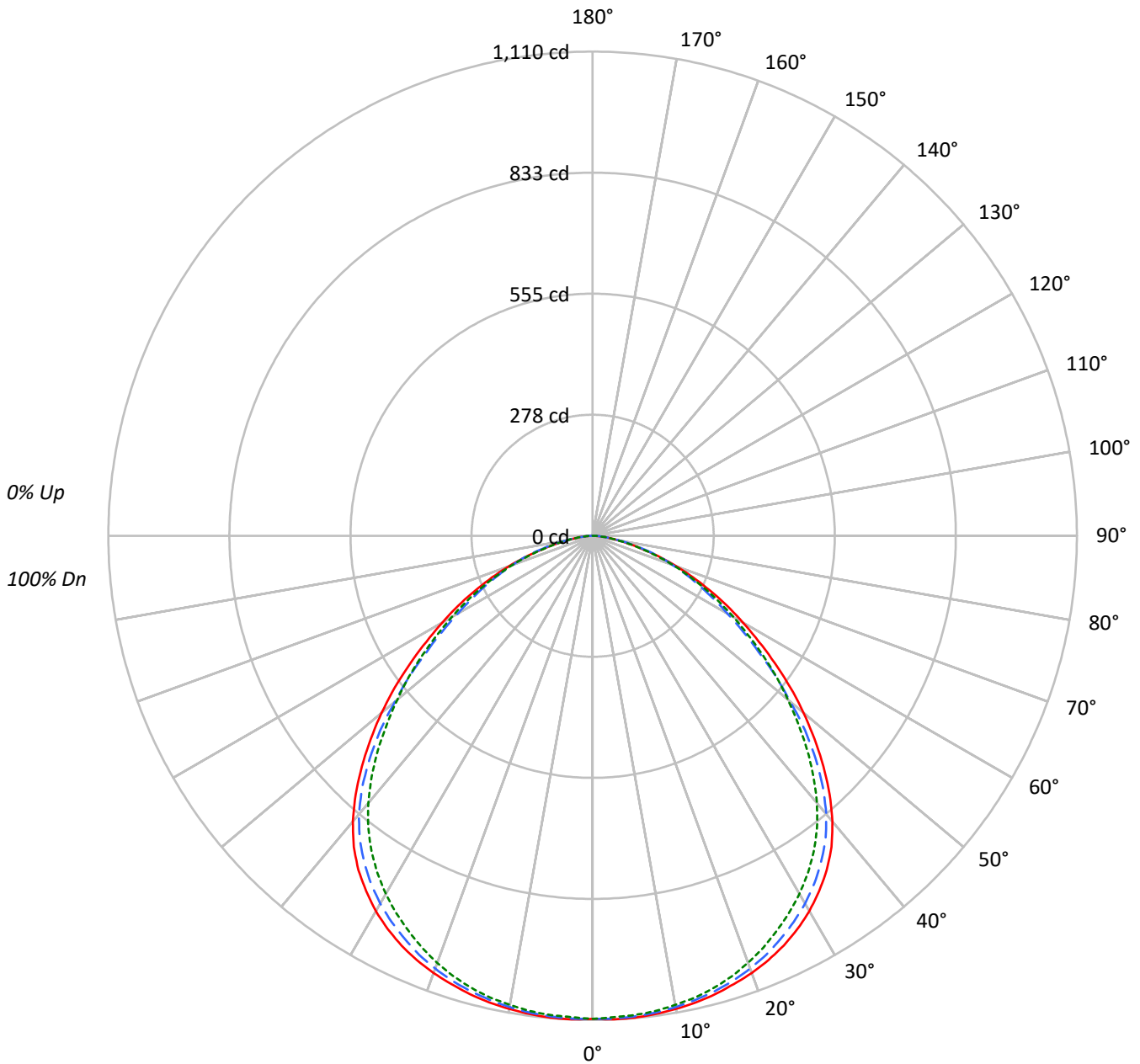
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2862.0 lumens  
Efficiency: N/A  
Efficacy: 90.0 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<sub>in</sub>): 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°	2980	2980	2980
5°	2995	2988	2979
10°	3010	2998	2983
15°	3031	3012	2990
20°	3055	3024	2983
25°	3077	3027	2966
30°	3087	3025	2945
35°	3074	3000	2903
40°	3004	2927	2809
45°	2847	2750	2649
50°	2643	2474	2446
55°	2393	2181	2229
60°	2140	1921	2005
65°	1888	1722	1782
70°	1607	1526	1537
75°	1235	1302	1200
80°	905	951	897
85°	605	667	651



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.2	3.7
10°-20°	305.1	10.7
20°-30°	469.2	16.4
30°-40°	567.8	19.8
40°-50°	554.3	19.4
50°-60°	428.3	15.0
60°-70°	275.1	9.6
70°-80°	129.8	4.5
80°-90°	27.2	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°	879.5	30.7
0°-40°	1447.3	50.6
0°-60°	2429.9	84.9
0°-90°	2862.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2862.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1108	1108	1108	1108	1108	
5°	1109	1104	1106	1105	1103	106
15°	1088	1082	1081	1077	1073	307
25°	1036	1028	1020	1006	999	478
35°	936	926	913	892	884	583
45°	748	739	723	704	696	576
55°	510	486	465	465	475	457
65°	296	279	270	268	280	295
75°	119	121	125	115	115	130
85°	20	23	22	21	21	25
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1107.5	1107.5	1107.5	1107.5	1107.5
2.5°	1109.9	1105.5	1108.0	1108.0	1104.5
5°	1108.9	1104.0	1106.0	1105.0	1103.0
7.5°	1106.0	1101.1	1102.6	1101.6	1099.1
10°	1101.6	1096.2	1097.2	1095.2	1091.8
12.5°	1095.7	1090.8	1089.8	1086.8	1084.4
15°	1087.8	1082.4	1081.0	1077.0	1073.1
17.5°	1077.5	1072.1	1069.7	1063.8	1059.4
20°	1066.7	1060.3	1055.9	1047.1	1041.7
22.5°	1053.0	1045.6	1039.7	1027.4	1022.0
25°	1036.3	1027.9	1019.6	1006.3	999.0
27.5°	1016.6	1007.8	998.0	983.3	974.9
30°	993.6	984.7	973.5	956.8	947.9
32.5°	966.1	957.3	945.5	926.3	917.5
35°	935.7	925.8	913.1	892.5	883.6
37.5°	899.3	888.5	876.7	854.2	844.8
40°	855.1	845.8	833.1	810.5	799.7
42.5°	804.1	795.7	781.5	759.9	749.6
45°	748.1	738.8	722.6	703.9	696.1
47.5°	689.7	676.0	660.3	644.1	639.6
50°	631.3	613.6	591.0	582.7	584.2
52.5°	571.4	548.8	529.2	522.8	530.2
55°	510.0	485.5	464.9	465.4	475.2
57.5°	451.6	426.1	408.9	408.9	421.7
60°	397.6	374.1	356.9	356.4	372.6
62.5°	347.6	323.5	310.7	310.7	325.5
65°	296.5	278.8	270.5	267.5	279.8
67.5°	249.4	237.1	231.2	227.8	235.6
70°	204.2	196.4	193.9	190.0	195.4
72.5°	159.5	157.6	162.5	153.2	155.6
75°	118.8	120.8	125.2	114.9	115.4
77.5°	85.4	89.3	90.8	85.9	85.9
80°	58.4	63.3	61.4	58.9	57.9
82.5°	37.3	39.8	39.8	38.3	37.3
85°	19.6	22.6	21.6	21.1	21.1
87.5°	7.4	10.3	10.3	9.8	9.3
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)