

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: P412989

Luminaire Tested: **14PD-35-PC3-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412989
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-L935
Description: 3500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

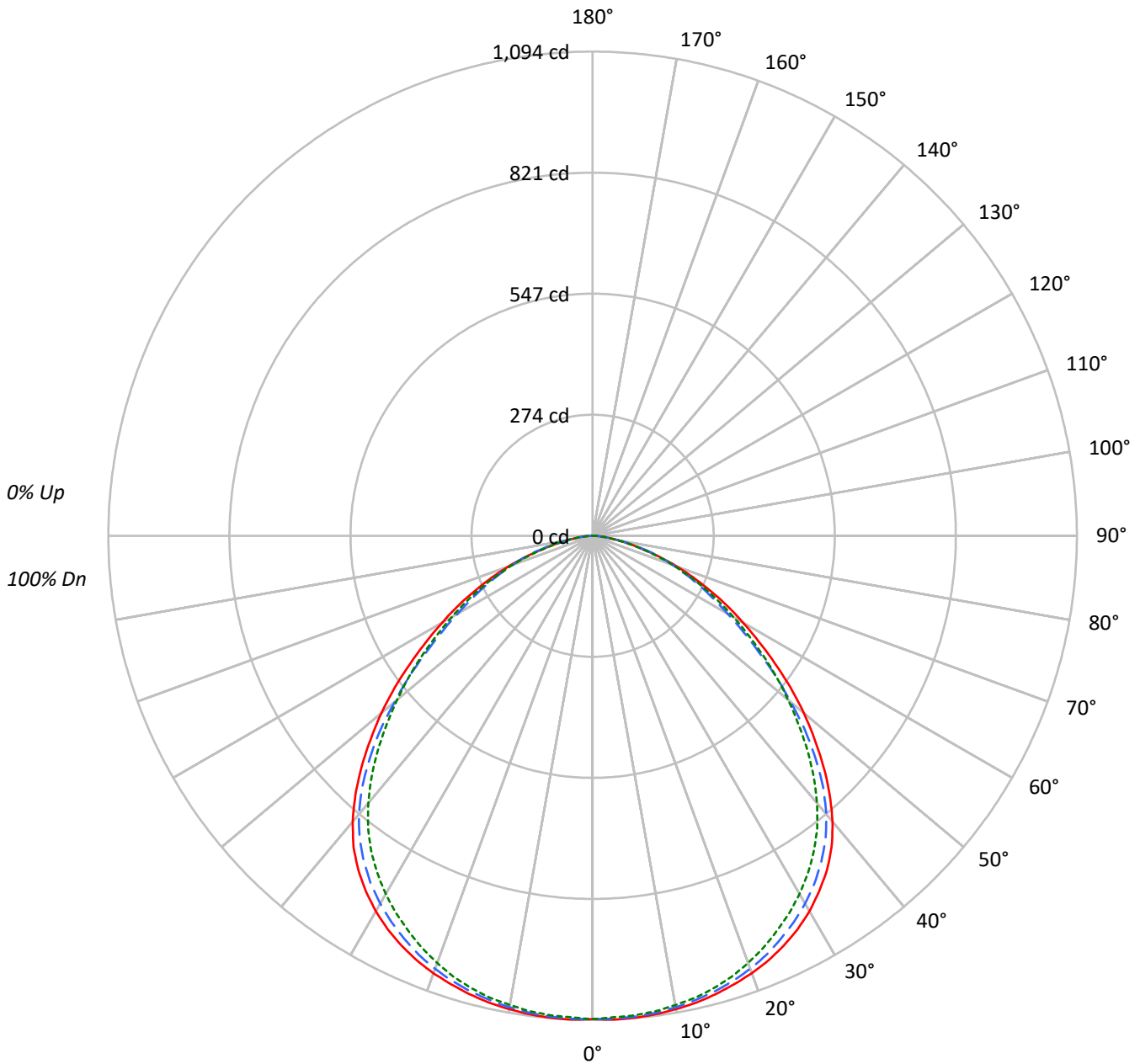
Lumens per Lamp: N/A
Luminaire Lumens: 2822.0 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P412989

CATALOG NUMBER: 14PD-35-PC3-L935

Luminous Intensity Polar Plot





TEST NUMBER: P412989

CATALOG NUMBER: 14PD-35-PC3-L935

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°	2939	2939	2939
5°	2954	2946	2938
10°	2968	2956	2942
15°	2988	2969	2948
20°	3012	2982	2941
25°	3034	2985	2925
30°	3044	2982	2904
35°	3031	2958	2862
40°	2962	2885	2770
45°	2807	2712	2612
50°	2606	2440	2411
55°	2359	2151	2198
60°	2110	1894	1977
65°	1862	1698	1757
70°	1585	1504	1515
75°	1218	1283	1182
80°	893	938	885
85°	599	658	642



TEST NUMBER: P412989

CATALOG NUMBER: 14PD-35-PC3-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.8	3.7
10°-20°	300.8	10.7
20°-30°	462.7	16.4
30°-40°	559.8	19.8
40°-50°	546.6	19.4
50°-60°	422.3	15.0
60°-70°	271.2	9.6
70°-80°	128.0	4.5
80°-90°	26.9	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°	867.2	30.7
0°-40°	1427.1	50.6
0°-60°	2395.9	84.9
0°-90°	2822.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2822.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1092	1092	1092	1092	1092	
5°	1093	1089	1090	1090	1088	104
15°	1073	1067	1066	1062	1058	303
25°	1022	1014	1005	992	985	471
35°	923	913	900	880	871	575
45°	738	728	712	694	686	568
55°	503	479	458	459	468	451
65°	292	275	267	264	276	291
75°	117	119	123	113	114	129
85°	19	22	21	21	21	25
90°	0	0	0	0	0	



TEST NUMBER: P412989

CATALOG NUMBER: 14PD-35-PC3-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1092.0	1092.0	1092.0	1092.0	1092.0
2.5°	1094.4	1090.1	1092.5	1092.5	1089.1
5°	1093.4	1088.6	1090.5	1089.6	1087.6
7.5°	1090.5	1085.7	1087.1	1086.2	1083.8
10°	1086.2	1080.9	1081.8	1079.9	1076.5
12.5°	1080.4	1075.5	1074.6	1071.7	1069.2
15°	1072.6	1067.3	1065.8	1062.0	1058.1
17.5°	1062.5	1057.1	1054.7	1048.9	1044.6
20°	1051.8	1045.5	1041.2	1032.5	1027.1
22.5°	1038.3	1031.0	1025.2	1013.1	1007.8
25°	1021.8	1013.6	1005.3	992.3	985.0
27.5°	1002.4	993.7	984.0	969.5	961.3
30°	979.7	971.0	959.8	943.4	934.7
32.5°	952.6	943.9	932.3	913.4	904.7
35°	922.6	912.9	900.3	880.0	871.3
37.5°	886.8	876.1	864.5	842.2	833.0
40°	843.2	834.0	821.4	799.1	788.5
42.5°	792.9	784.6	770.6	749.3	739.1
45°	737.7	728.5	712.5	694.1	686.4
47.5°	680.1	666.5	651.0	635.1	630.7
50°	622.5	605.0	582.8	574.6	576.0
52.5°	563.4	541.2	521.8	515.5	522.8
55°	502.9	478.7	458.4	458.9	468.5
57.5°	445.3	420.1	403.2	403.2	415.8
60°	392.1	368.8	351.9	351.4	367.4
62.5°	342.7	319.0	306.4	306.4	320.9
65°	292.4	274.9	266.7	263.8	275.9
67.5°	245.9	233.8	228.0	224.6	232.3
70°	201.4	193.6	191.2	187.3	192.6
72.5°	157.3	155.4	160.2	151.0	153.4
75°	117.1	119.1	123.4	113.3	113.7
77.5°	84.2	88.1	89.5	84.7	84.7
80°	57.6	62.4	60.5	58.1	57.1
82.5°	36.8	39.2	39.2	37.8	36.8
85°	19.4	22.3	21.3	20.8	20.8
87.5°	7.3	10.2	10.2	9.7	9.2
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)