

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: P412988

Luminaire Tested: **14PD-35-PC3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412988
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-L930
Description: 3500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

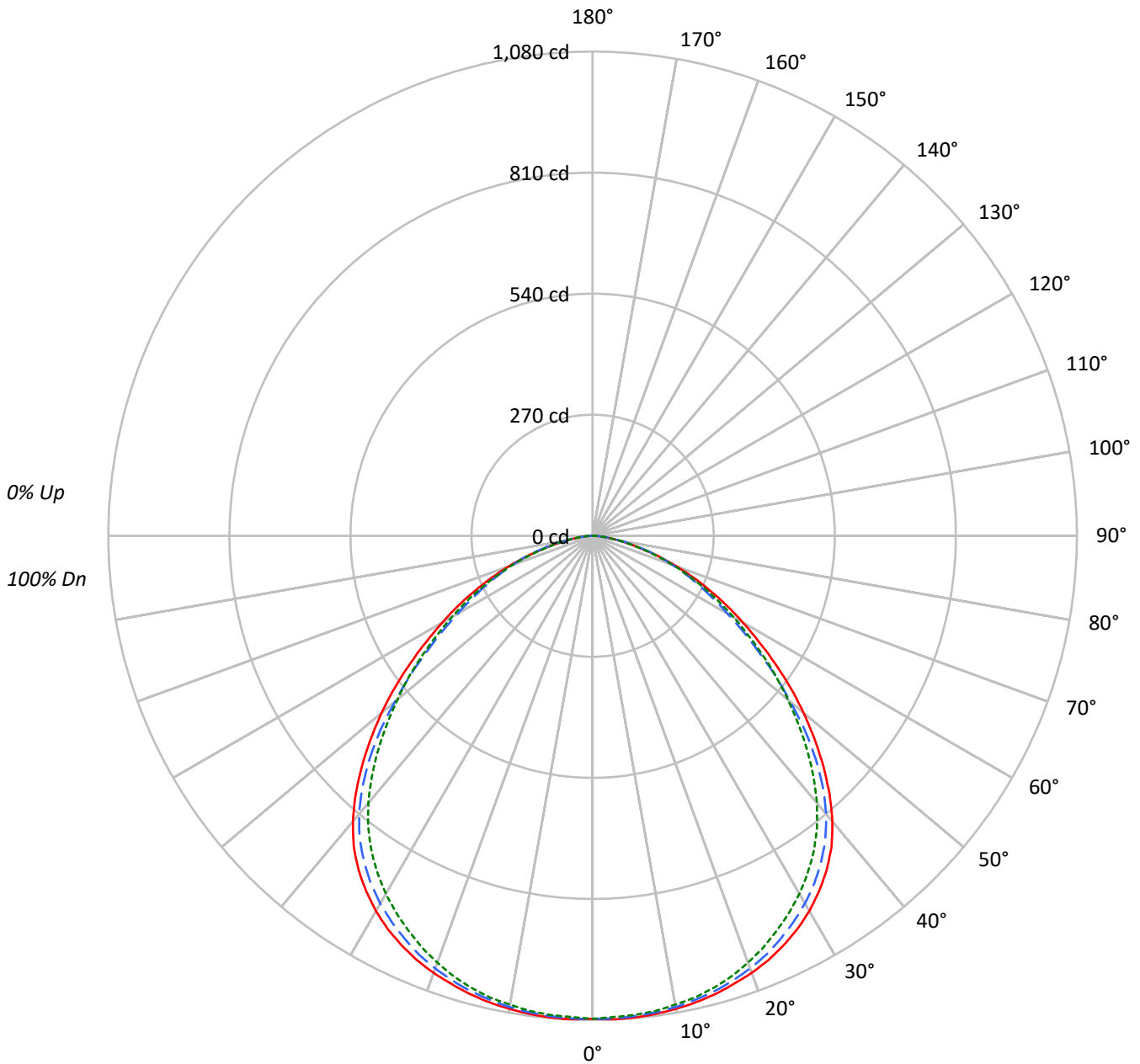
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2784.0 lumens
Efficiency: N/A
Efficacy: 87.5 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°	2899	2899	2899
5°	2914	2906	2898
10°	2928	2916	2902
15°	2948	2929	2908
20°	2971	2941	2902
25°	2993	2945	2885
30°	3003	2942	2865
35°	2990	2918	2824
40°	2922	2846	2733
45°	2769	2675	2577
50°	2571	2407	2379
55°	2327	2122	2168
60°	2082	1869	1950
65°	1836	1675	1733
70°	1563	1484	1496
75°	1202	1266	1167
80°	880	925	872
85°	590	648	633



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.4	3.7
10°-20°	296.8	10.7
20°-30°	456.4	16.4
30°-40°	552.3	19.8
40°-50°	539.2	19.4
50°-60°	416.7	15.0
60°-70°	267.6	9.6
70°-80°	126.3	4.5
80°-90°	26.5	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°	855.5	30.7
0°-40°	1407.8	50.6
0°-60°	2363.7	84.9
0°-90°	2784.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2784.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1077	1077	1077	1077	1077	
5°	1079	1074	1076	1075	1073	103
15°	1058	1053	1052	1048	1044	299
25°	1008	1000	992	979	972	465
35°	910	901	888	868	860	568
45°	728	719	703	685	677	560
55°	496	472	452	453	462	445
65°	288	271	263	260	272	287
75°	116	118	122	112	112	127
85°	19	22	21	20	20	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1077.3	1077.3	1077.3	1077.3	1077.3
2.5°	1079.7	1075.4	1077.8	1077.8	1074.4
5°	1078.7	1073.9	1075.9	1074.9	1073.0
7.5°	1075.9	1071.1	1072.5	1071.6	1069.2
10°	1071.6	1066.3	1067.3	1065.3	1062.0
12.5°	1065.8	1061.0	1060.1	1057.2	1054.8
15°	1058.2	1052.9	1051.5	1047.7	1043.9
17.5°	1048.2	1042.9	1040.5	1034.8	1030.5
20°	1037.6	1031.4	1027.1	1018.5	1013.3
22.5°	1024.3	1017.1	1011.4	999.4	994.2
25°	1008.0	999.9	991.8	978.9	971.8
27.5°	988.9	980.3	970.8	956.5	948.4
30°	966.5	957.9	946.9	930.7	922.1
32.5°	939.8	931.2	919.7	901.1	892.5
35°	910.2	900.6	888.2	868.1	859.5
37.5°	874.8	864.3	852.8	830.9	821.8
40°	831.8	822.8	810.3	788.4	777.9
42.5°	782.2	774.1	760.2	739.2	729.2
45°	727.7	718.7	702.9	684.8	677.1
47.5°	670.9	657.5	642.3	626.5	622.2
50°	614.1	596.9	574.9	566.8	568.2
52.5°	555.8	533.9	514.8	508.6	515.7
55°	496.1	472.3	452.2	452.7	462.2
57.5°	439.3	414.5	397.8	397.8	410.2
60°	386.8	363.9	347.2	346.7	362.4
62.5°	338.1	314.7	302.3	302.3	316.6
65°	288.4	271.2	263.1	260.2	272.2
67.5°	242.6	230.6	224.9	221.6	229.2
70°	198.6	191.0	188.6	184.8	190.1
72.5°	155.2	153.3	158.1	149.0	151.4
75°	115.6	117.5	121.8	111.7	112.2
77.5°	83.1	86.9	88.3	83.6	83.6
80°	56.8	61.6	59.7	57.3	56.3
82.5°	36.3	38.7	38.7	37.2	36.3
85°	19.1	22.0	21.0	20.5	20.5
87.5°	7.2	10.0	10.0	9.6	9.1
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)