

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: P412647

Luminaire Tested: **14PD-35-PP3-L935**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412647
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-35-PP3-L935
Description: 3500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

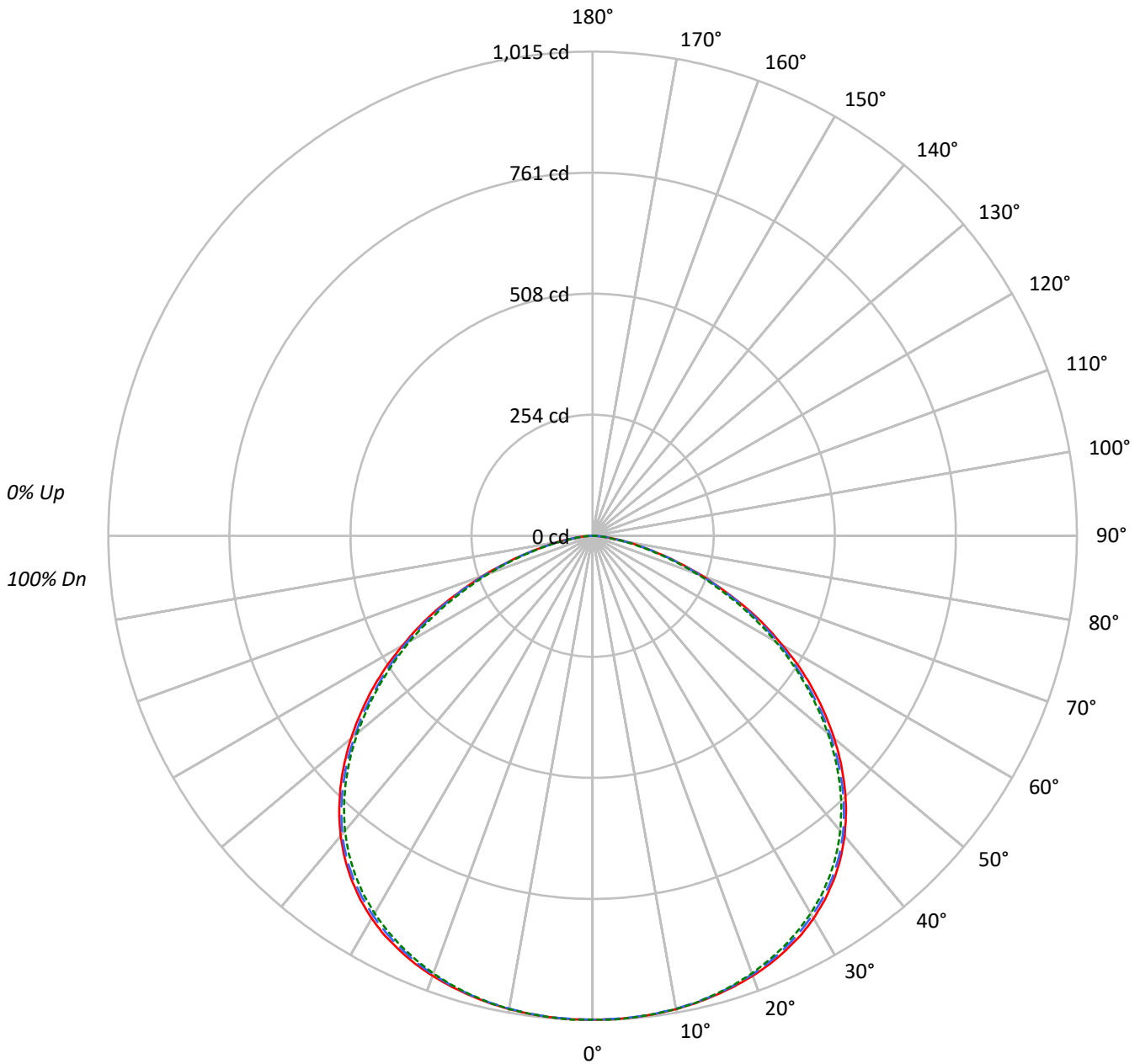
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2951.0 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39																			
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31																			
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2729	2729	2729
5°	2736	2736	2737
10°	2754	2750	2753
15°	2778	2774	2772
20°	2811	2802	2795
25°	2847	2832	2819
30°	2878	2858	2840
35°	2894	2876	2850
40°	2886	2869	2836
45°	2845	2817	2786
50°	2767	2722	2694
55°	2652	2589	2556
60°	2471	2428	2379
65°	2240	2195	2131
70°	1912	1877	1817
75°	1493	1477	1408
80°	1102	1055	996
85°	664	664	621



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.5	3.3
10°-20°	281.6	9.5
20°-30°	440.1	14.9
30°-40°	546.9	18.5
40°-50°	569.9	19.3
50°-60°	494.5	16.8
60°-70°	340.0	11.5
70°-80°	153.4	5.2
80°-90°	28.1	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°	818.1	27.7
0°-40°	1365.1	46.3
0°-60°	2429.4	82.3
0°-90°	2951.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2951.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1014	1014	1014	1014	1014	
5°	1013	1013	1013	1012	1013	97
15°	997	997	996	995	995	282
25°	959	958	954	950	949	442
35°	881	881	876	871	868	550
45°	748	748	740	735	732	575
55°	565	562	552	545	545	504
65°	352	350	345	336	335	347
75°	144	144	142	138	135	156
85°	22	21	22	21	20	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1014.2	1014.2	1014.2	1014.2	1014.2
2.5°	1014.5	1014.5	1013.9	1013.0	1015.1
5°	1013.0	1013.3	1012.7	1011.8	1013.3
7.5°	1010.9	1011.2	1010.3	1009.5	1010.6
10°	1007.7	1007.4	1006.5	1005.9	1007.4
12.5°	1003.0	1002.7	1001.8	1001.2	1002.4
15°	997.1	997.1	995.6	994.7	995.0
17.5°	990.0	990.0	987.9	985.9	986.5
20°	981.7	981.4	978.5	976.4	976.1
22.5°	971.4	971.4	967.3	964.6	963.7
25°	958.7	958.4	953.7	949.9	949.3
27.5°	944.3	943.7	938.1	934.3	932.8
30°	926.3	925.7	919.8	915.7	913.9
32.5°	905.1	905.9	899.2	894.4	892.7
35°	880.9	880.9	875.6	870.6	867.6
37.5°	853.2	853.2	848.1	843.1	839.6
40°	821.6	821.9	816.6	810.4	807.4
42.5°	786.2	786.8	779.7	774.7	771.5
45°	747.6	747.9	740.2	734.6	732.0
47.5°	705.7	705.1	696.6	691.8	689.2
50°	660.9	659.7	650.3	645.8	643.5
52.5°	614.0	611.6	603.4	596.9	594.8
55°	565.3	562.1	551.8	545.3	544.7
57.5°	514.6	510.8	502.2	496.0	493.7
60°	459.2	458.3	451.2	443.8	442.1
62.5°	407.3	404.6	398.4	389.6	388.7
65°	351.8	350.3	344.7	336.5	334.7
67.5°	294.6	296.1	291.4	284.0	281.6
70°	243.0	243.9	238.6	231.8	230.9
72.5°	191.1	192.6	188.1	183.7	182.8
75°	143.6	144.2	142.1	138.3	135.4
77.5°	102.0	104.1	101.7	99.1	96.7
80°	71.1	67.8	68.1	66.9	64.3
82.5°	42.8	41.3	41.0	39.8	38.6
85°	21.5	21.2	21.5	21.2	20.1
87.5°	7.1	7.7	8.0	8.0	7.4
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)