

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: P412654

Luminaire Tested: **14PD-40-PP3-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412654
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-40-PP3-L927
Description: 4000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

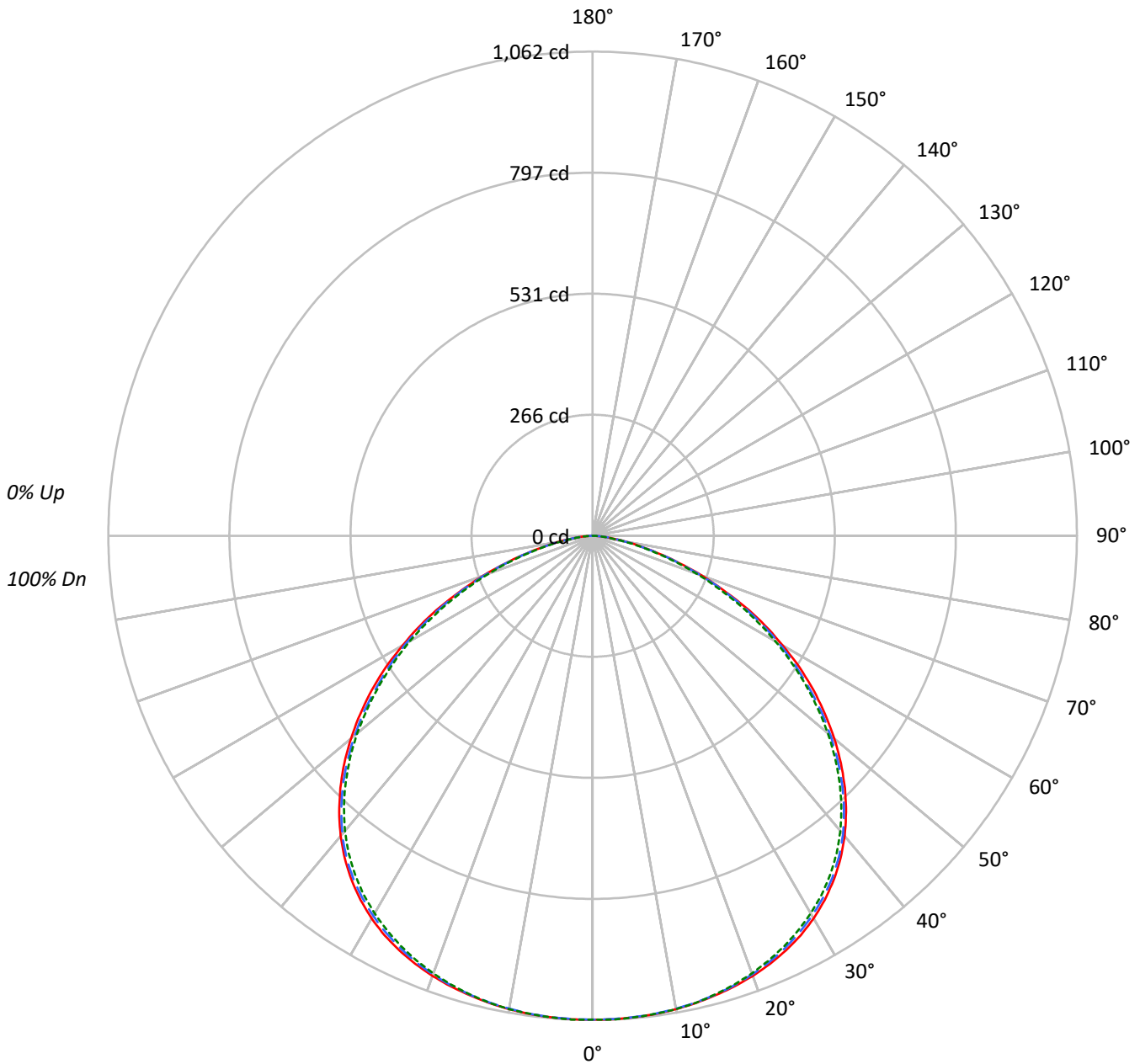
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3088.0 lumens
Efficiency: N/A
Efficacy: 81.7 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): 37.8
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				20				
RC	80				70				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°	2856	2856	2856
5°	2863	2863	2864
10°	2881	2878	2881
15°	2907	2902	2901
20°	2942	2932	2925
25°	2979	2963	2950
30°	3012	2991	2971
35°	3028	3010	2983
40°	3020	3002	2968
45°	2977	2948	2915
50°	2895	2849	2819
55°	2776	2709	2674
60°	2586	2541	2490
65°	2344	2297	2230
70°	2001	1965	1901
75°	1563	1546	1472
80°	1153	1105	1043
85°	695	695	648



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.0	3.3
10°-20°	294.6	9.5
20°-30°	460.5	14.9
30°-40°	572.3	18.5
40°-50°	596.3	19.3
50°-60°	517.5	16.8
60°-70°	355.8	11.5
70°-80°	160.6	5.2
80°-90°	29.4	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°	856.1	27.7
0°-40°	1428.4	46.3
0°-60°	2542.2	82.3
0°-90°	3088.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3088.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1061	1061	1061	1061	1061	
5°	1060	1060	1060	1059	1060	101
15°	1043	1043	1042	1041	1041	295
25°	1003	1003	998	994	993	463
35°	922	922	916	911	908	576
45°	782	783	775	769	766	602
55°	592	588	577	571	570	527
65°	368	367	361	352	350	363
75°	150	151	149	145	142	164
85°	22	22	22	22	21	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1061.3	1061.3	1061.3	1061.3	1061.3
2.5°	1061.6	1061.6	1060.9	1060.0	1062.2
5°	1060.0	1060.3	1059.7	1058.8	1060.3
7.5°	1057.9	1058.2	1057.2	1056.3	1057.6
10°	1054.5	1054.2	1053.2	1052.6	1054.2
12.5°	1049.5	1049.2	1048.3	1047.7	1048.9
15°	1043.4	1043.4	1041.8	1040.9	1041.2
17.5°	1036.0	1036.0	1033.8	1031.6	1032.2
20°	1027.3	1027.0	1023.9	1021.8	1021.4
22.5°	1016.5	1016.5	1012.2	1009.4	1008.5
25°	1003.2	1002.9	998.0	994.0	993.4
27.5°	988.1	987.5	981.6	977.6	976.1
30°	969.3	968.7	962.5	958.2	956.3
32.5°	947.1	948.0	940.9	936.0	934.1
35°	921.8	921.8	916.2	911.0	907.9
37.5°	892.8	892.8	887.5	882.3	878.6
40°	859.7	860.1	854.5	848.0	844.9
42.5°	822.7	823.3	815.9	810.7	807.3
45°	782.3	782.6	774.6	768.7	765.9
47.5°	738.5	737.8	728.9	724.0	721.2
50°	691.6	690.3	680.5	675.8	673.4
52.5°	642.5	640.0	631.4	624.6	622.4
55°	591.6	588.2	577.4	570.6	570.0
57.5°	538.5	534.5	525.5	519.1	516.6
60°	480.5	479.6	472.1	464.4	462.6
62.5°	426.2	423.4	416.9	407.7	406.7
65°	368.2	366.6	360.7	352.1	350.3
67.5°	308.3	309.8	304.9	297.2	294.7
70°	254.3	255.2	249.7	242.6	241.6
72.5°	200.0	201.5	196.9	192.3	191.3
75°	150.3	150.9	148.7	144.7	141.6
77.5°	106.8	108.9	106.5	103.7	101.2
80°	74.4	71.0	71.3	70.1	67.3
82.5°	44.7	43.2	42.9	41.7	40.4
85°	22.5	22.2	22.5	22.2	21.0
87.5°	7.4	8.0	8.3	8.3	7.7
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)