

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: P412634

Luminaire Tested: **14PD-30-PP3-L840**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412634
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-30-PP3-L840
Description: 3000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

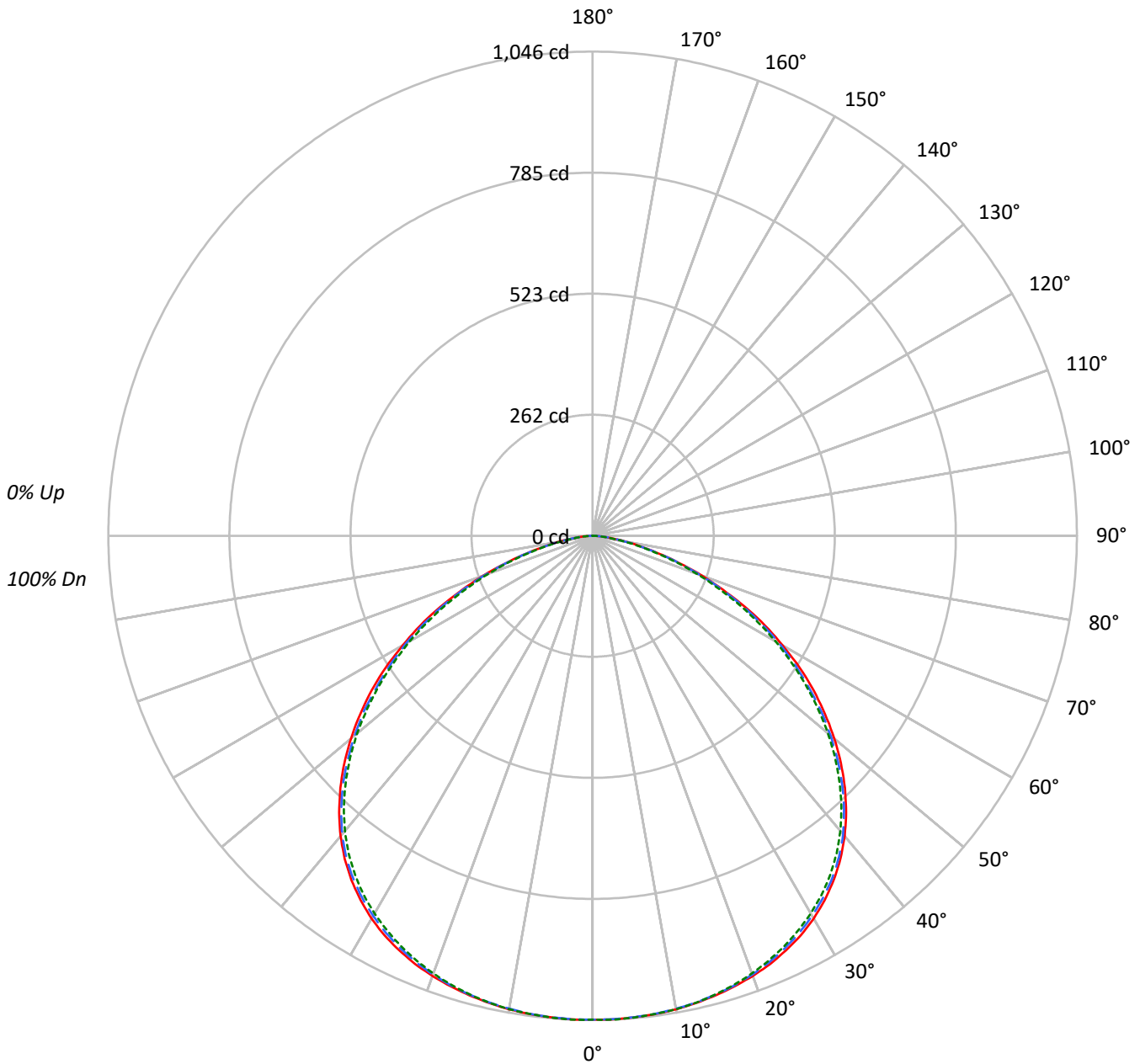
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3042.0 lumens
Efficiency: N/A
Efficacy: 112.7 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): 27
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°	2813	2813	2813
5°	2821	2820	2821
10°	2839	2835	2838
15°	2863	2859	2858
20°	2898	2889	2881
25°	2934	2919	2906
30°	2967	2946	2927
35°	2983	2965	2938
40°	2975	2957	2924
45°	2933	2904	2871
50°	2852	2806	2777
55°	2734	2669	2634
60°	2547	2503	2453
65°	2309	2263	2197
70°	1971	1935	1873
75°	1539	1523	1450
80°	1136	1088	1027
85°	685	685	639



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.5	3.3
10°-20°	290.2	9.5
20°-30°	453.7	14.9
30°-40°	563.8	18.5
40°-50°	587.4	19.3
50°-60°	509.7	16.8
60°-70°	350.5	11.5
70°-80°	158.2	5.2
80°-90°	29.0	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°	843.4	27.7
0°-40°	1407.2	46.3
0°-60°	2504.3	82.3
0°-90°	3042.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3042.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1045	1045	1045	1045	1045	
5°	1044	1044	1044	1043	1044	100
15°	1028	1028	1026	1025	1026	291
25°	988	988	983	979	979	456
35°	908	908	903	897	894	567
45°	771	771	763	757	754	593
55°	583	579	569	562	562	519
65°	363	361	355	347	345	358
75°	148	149	146	143	140	161
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°	1045.4	1045.4	1045.4	1045.4	1045.4
2.5°	1045.8	1045.8	1045.1	1044.2	1046.4
5°	1044.2	1044.5	1043.9	1043.0	1044.5
7.5°	1042.1	1042.4	1041.5	1040.6	1041.8
10°	1038.8	1038.5	1037.5	1036.9	1038.5
12.5°	1033.9	1033.6	1032.7	1032.1	1033.3
15°	1027.8	1027.8	1026.3	1025.4	1025.7
17.5°	1020.5	1020.5	1018.4	1016.3	1016.9
20°	1012.0	1011.7	1008.7	1006.5	1006.2
22.5°	1001.4	1001.4	997.1	994.4	993.5
25°	988.3	988.0	983.1	979.2	978.6
27.5°	973.4	972.8	967.0	963.1	961.5
30°	954.9	954.2	948.2	943.9	942.1
32.5°	933.0	933.9	926.9	922.0	920.2
35°	908.0	908.0	902.6	897.4	894.4
37.5°	879.5	879.5	874.3	869.1	865.5
40°	846.9	847.2	841.8	835.4	832.3
42.5°	810.5	811.1	803.8	798.6	795.3
45°	770.6	770.9	763.0	757.3	754.5
47.5°	727.5	726.9	718.0	713.2	710.4
50°	681.3	680.0	670.3	665.8	663.3
52.5°	632.9	630.5	622.0	615.3	613.2
55°	582.8	579.4	568.8	562.1	561.5
57.5°	530.5	526.5	517.7	511.3	508.9
60°	473.3	472.4	465.1	457.5	455.7
62.5°	419.8	417.1	410.7	401.6	400.7
65°	362.7	361.1	355.4	346.9	345.0
67.5°	303.7	305.2	300.3	292.7	290.3
70°	250.5	251.4	245.9	238.9	238.0
72.5°	197.0	198.5	194.0	189.4	188.5
75°	148.0	148.7	146.5	142.6	139.5
77.5°	105.2	107.3	104.9	102.1	99.7
80°	73.3	69.9	70.2	69.0	66.3
82.5°	44.1	42.6	42.3	41.0	39.8
85°	22.2	21.9	22.2	21.9	20.7
87.5°	7.3	7.9	8.2	8.2	7.6
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)