

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: P412616

Luminaire Tested: **14PD-20-PP3-L840**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412616
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-20-PP3-L840
Description: 2000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

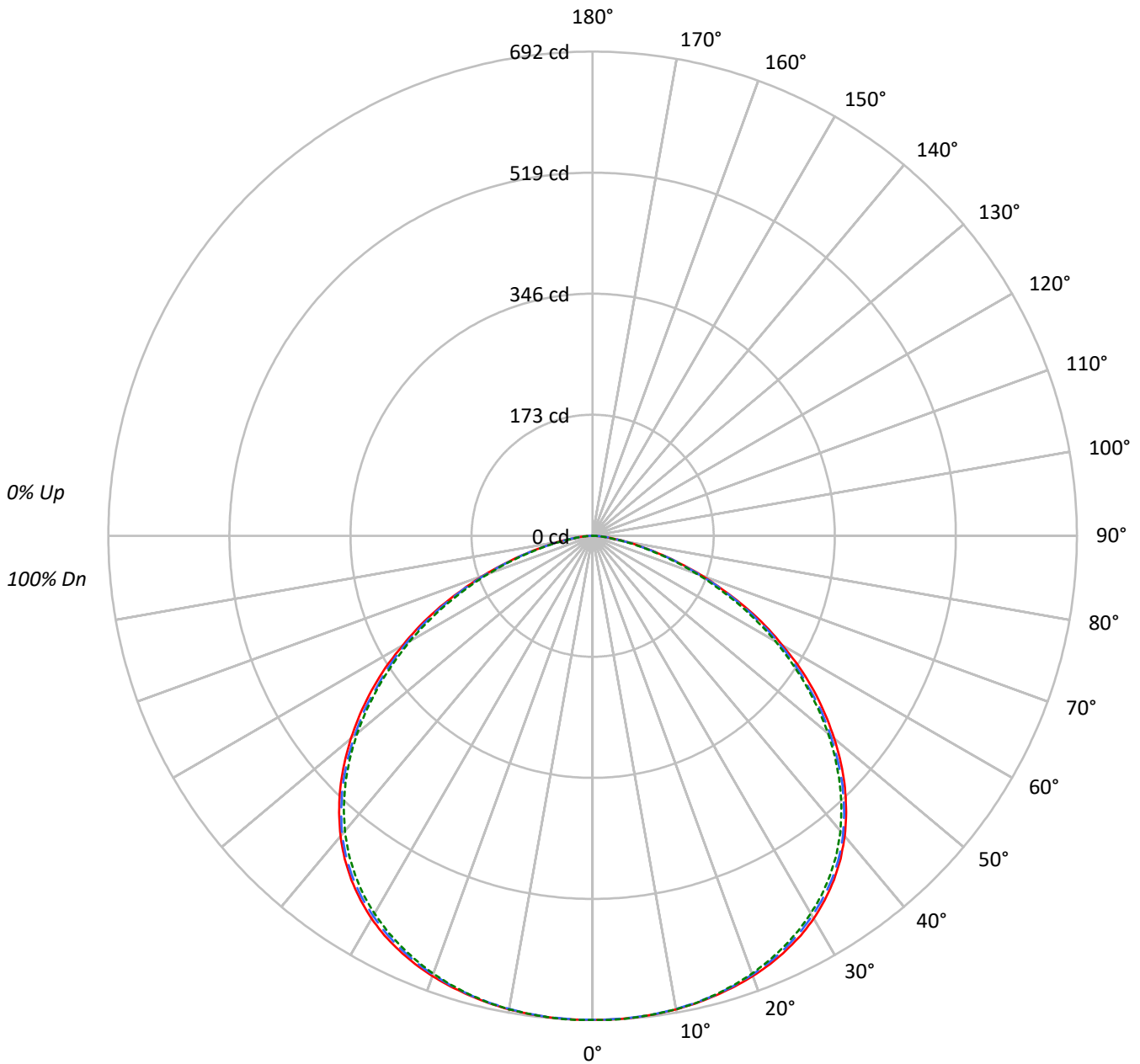
Lumens per Lamp: N/A
Luminaire Lumens: 2013.0 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 17.4
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°	1862	1862	1862
5°	1867	1866	1867
10°	1878	1876	1878
15°	1895	1892	1891
20°	1918	1912	1907
25°	1942	1932	1923
30°	1963	1950	1937
35°	1974	1962	1944
40°	1969	1957	1935
45°	1941	1921	1900
50°	1887	1857	1837
55°	1809	1766	1743
60°	1686	1657	1623
65°	1528	1498	1454
70°	1304	1280	1239
75°	1019	1009	960
80°	752	721	680
85°	454	454	423



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.8	3.3
10°-20°	192.1	9.5
20°-30°	300.2	14.9
30°-40°	373.1	18.5
40°-50°	388.7	19.3
50°-60°	337.3	16.8
60°-70°	231.9	11.5
70°-80°	104.7	5.2
80°-90°	19.2	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°	558.1	27.7
0°-40°	931.2	46.3
0°-60°	1657.2	82.3
0°-90°	2013.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2013.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	692	692	692	692	692	
5°	691	691	691	690	691	66
15°	680	680	679	678	679	192
25°	654	654	651	648	648	302
35°	601	601	597	594	592	375
45°	510	510	505	501	499	393
55°	386	383	376	372	372	344
65°	240	239	235	230	228	237
75°	98	98	97	94	92	107
85°	15	14	15	14	14	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	691.8	691.8	691.8	691.8	691.8
2.5°	692.0	692.0	691.6	691.0	692.4
5°	691.0	691.2	690.8	690.2	691.2
7.5°	689.6	689.8	689.2	688.6	689.4
10°	687.4	687.2	686.6	686.2	687.2
12.5°	684.2	684.0	683.4	683.0	683.8
15°	680.1	680.1	679.1	678.5	678.7
17.5°	675.3	675.3	673.9	672.5	672.9
20°	669.7	669.5	667.5	666.1	665.9
22.5°	662.6	662.6	659.8	658.0	657.4
25°	654.0	653.8	650.6	648.0	647.6
27.5°	644.1	643.7	639.9	637.3	636.3
30°	631.9	631.5	627.4	624.6	623.4
32.5°	617.4	618.0	613.4	610.1	608.9
35°	600.9	600.9	597.3	593.8	591.8
37.5°	582.0	582.0	578.6	575.1	572.7
40°	560.4	560.6	557.0	552.8	550.8
42.5°	536.3	536.7	531.9	528.5	526.2
45°	510.0	510.2	504.9	501.1	499.3
47.5°	481.4	481.0	475.2	471.9	470.1
50°	450.8	450.0	443.6	440.6	438.9
52.5°	418.8	417.2	411.6	407.2	405.8
55°	385.6	383.4	376.4	372.0	371.6
57.5°	351.0	348.4	342.6	338.4	336.8
60°	313.2	312.6	307.8	302.8	301.5
62.5°	277.8	276.0	271.8	265.7	265.1
65°	240.0	239.0	235.2	229.5	228.3
67.5°	201.0	202.0	198.8	193.7	192.1
70°	165.8	166.4	162.7	158.1	157.5
72.5°	130.4	131.4	128.3	125.3	124.7
75°	98.0	98.4	97.0	94.3	92.3
77.5°	69.6	71.0	69.4	67.6	66.0
80°	48.5	46.3	46.5	45.7	43.9
82.5°	29.2	28.2	28.0	27.2	26.4
85°	14.7	14.5	14.7	14.5	13.7
87.5°	4.8	5.2	5.4	5.4	5.0
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)