

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: P412623

Luminaire Tested: **14PD-25-PP3-L830**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412623
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-25-PP3-L830
Description: 2500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

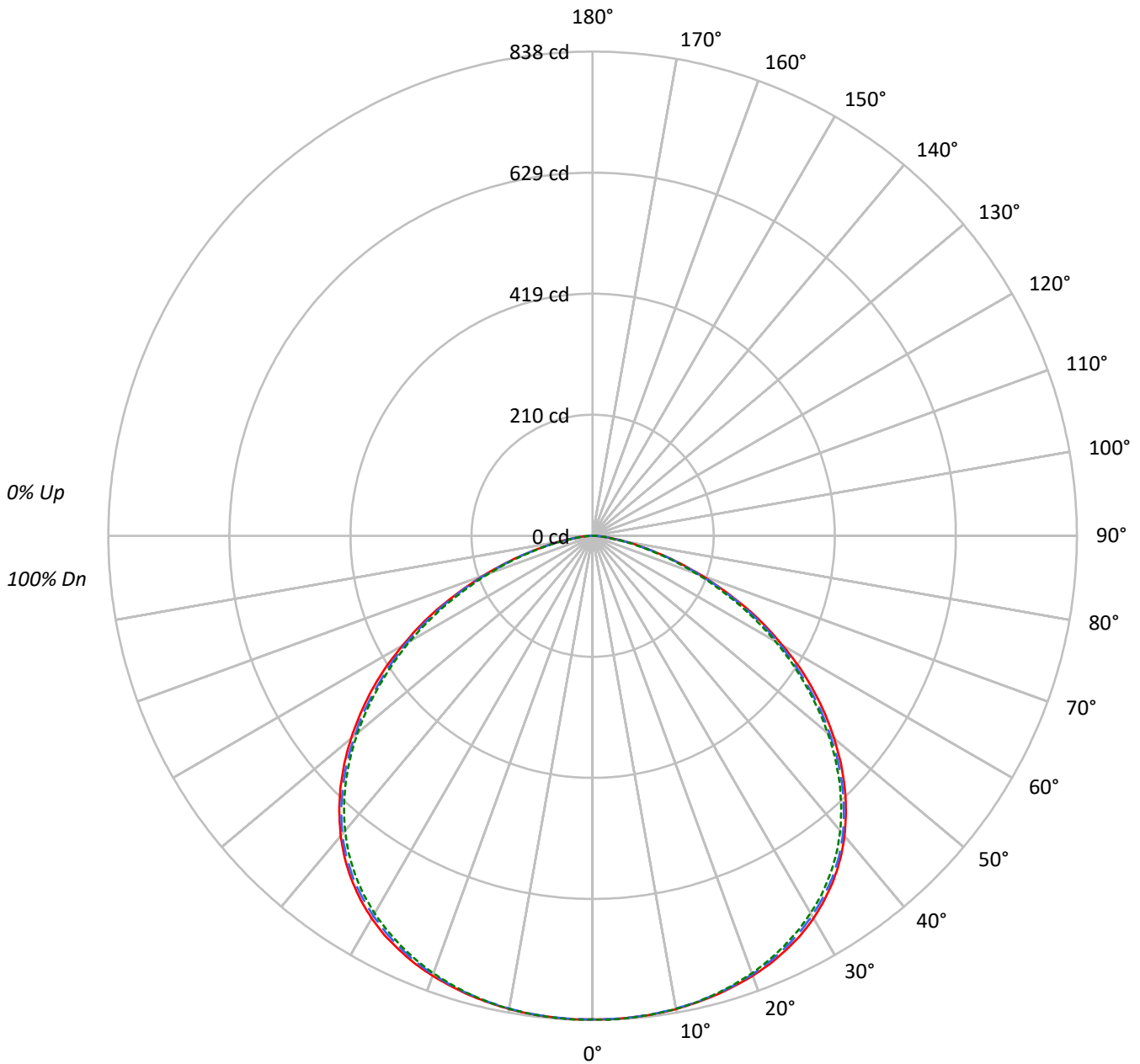
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2436.0 lumens
Efficiency: N/A
Efficacy: 107.3 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): 22.7
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

TEST NUMBER: P412623
CATALOG NUMBER: 14PD-25-PP3-L830

Luminous Intensity Polar Plot





TEST NUMBER: P412623

CATALOG NUMBER: 14PD-25-PP3-L830

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°	2253	2253	2253
5°	2259	2258	2260
10°	2273	2270	2272
15°	2293	2289	2288
20°	2321	2313	2308
25°	2350	2338	2327
30°	2376	2359	2344
35°	2389	2374	2353
40°	2382	2368	2341
45°	2348	2325	2299
50°	2284	2247	2224
55°	2190	2137	2109
60°	2040	2005	1964
65°	1849	1812	1759
70°	1578	1549	1500
75°	1233	1220	1161
80°	910	871	823
85°	550	550	513



TEST NUMBER: P412623

CATALOG NUMBER: 14PD-25-PP3-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.6	3.3
10°-20°	232.4	9.5
20°-30°	363.3	14.9
30°-40°	451.5	18.5
40°-50°	470.4	19.3
50°-60°	408.2	16.8
60°-70°	280.7	11.5
70°-80°	126.7	5.2
80°-90°	23.2	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°	675.4	27.7
0°-40°	1126.8	46.3
0°-60°	2005.5	82.3
0°-90°	2436.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2436.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	837	837	837	837	837	
5°	836	836	836	835	836	80
15°	823	823	822	821	821	233
25°	791	791	787	784	784	365
35°	727	727	723	719	716	454
45°	617	617	611	606	604	475
55°	467	464	456	450	450	416
65°	290	289	285	278	276	287
75°	119	119	117	114	112	129
85°	18	18	18	18	17	24
90°	0	0	0	0	0	



TEST NUMBER: P412623

CATALOG NUMBER: 14PD-25-PP3-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	837.2	837.2	837.2	837.2	<i>837.2</i>
2.5°	<i>837.4</i>	<i>837.4</i>	<i>836.9</i>	<i>836.2</i>	<i>837.9</i>
5°	836.2	836.5	836.0	835.2	<i>836.5</i>
7.5°	834.5	834.7	834.0	833.3	<i>834.3</i>
10°	831.8	831.6	830.9	830.4	<i>831.6</i>
12.5°	827.9	827.7	827.0	826.5	<i>827.4</i>
15°	823.1	823.1	821.8	821.1	<i>821.4</i>
17.5°	817.2	817.2	815.5	813.8	<i>814.3</i>
20°	810.4	810.2	807.7	806.0	<i>805.8</i>
22.5°	801.9	801.9	798.5	796.3	<i>795.6</i>
25°	791.4	791.2	787.3	784.1	<i>783.6</i>
27.5°	779.5	779.0	774.4	771.2	<i>770.0</i>
30°	764.6	764.2	759.3	755.9	<i>754.4</i>
32.5°	747.1	747.8	742.2	738.3	<i>736.9</i>
35°	727.1	727.1	722.8	718.6	<i>716.2</i>
37.5°	704.3	704.3	700.1	696.0	<i>693.1</i>
40°	678.2	678.5	674.1	669.0	<i>666.5</i>
42.5°	649.0	649.5	643.6	639.5	<i>636.8</i>
45°	617.1	617.4	611.0	606.4	<i>604.2</i>
47.5°	582.5	582.1	575.0	571.1	<i>568.9</i>
50°	545.5	544.6	536.8	533.1	<i>531.2</i>
52.5°	506.8	504.9	498.1	492.7	<i>491.0</i>
55°	466.7	464.0	455.5	450.1	<i>449.6</i>
57.5°	424.8	421.6	414.6	409.5	<i>407.5</i>
60°	379.0	378.3	372.5	366.4	<i>364.9</i>
62.5°	336.2	334.0	328.9	321.6	<i>320.9</i>
65°	290.4	289.2	284.6	277.8	<i>276.3</i>
67.5°	243.2	244.4	240.5	234.4	<i>232.5</i>
70°	200.6	201.3	196.9	191.3	<i>190.6</i>
72.5°	157.7	159.0	155.3	151.7	<i>150.9</i>
75°	118.6	119.0	117.3	114.2	<i>111.7</i>
77.5°	84.2	85.9	84.0	81.8	<i>79.8</i>
80°	58.7	56.0	56.2	55.3	<i>53.1</i>
82.5°	35.3	34.1	33.8	32.9	<i>31.9</i>
85°	17.8	17.5	17.8	17.5	<i>16.6</i>
87.5°	5.8	6.3	6.6	6.6	<i>6.1</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)