

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: P412637

Luminaire Tested: **14PD-30-PP3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412637
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-L930
Description: 3000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

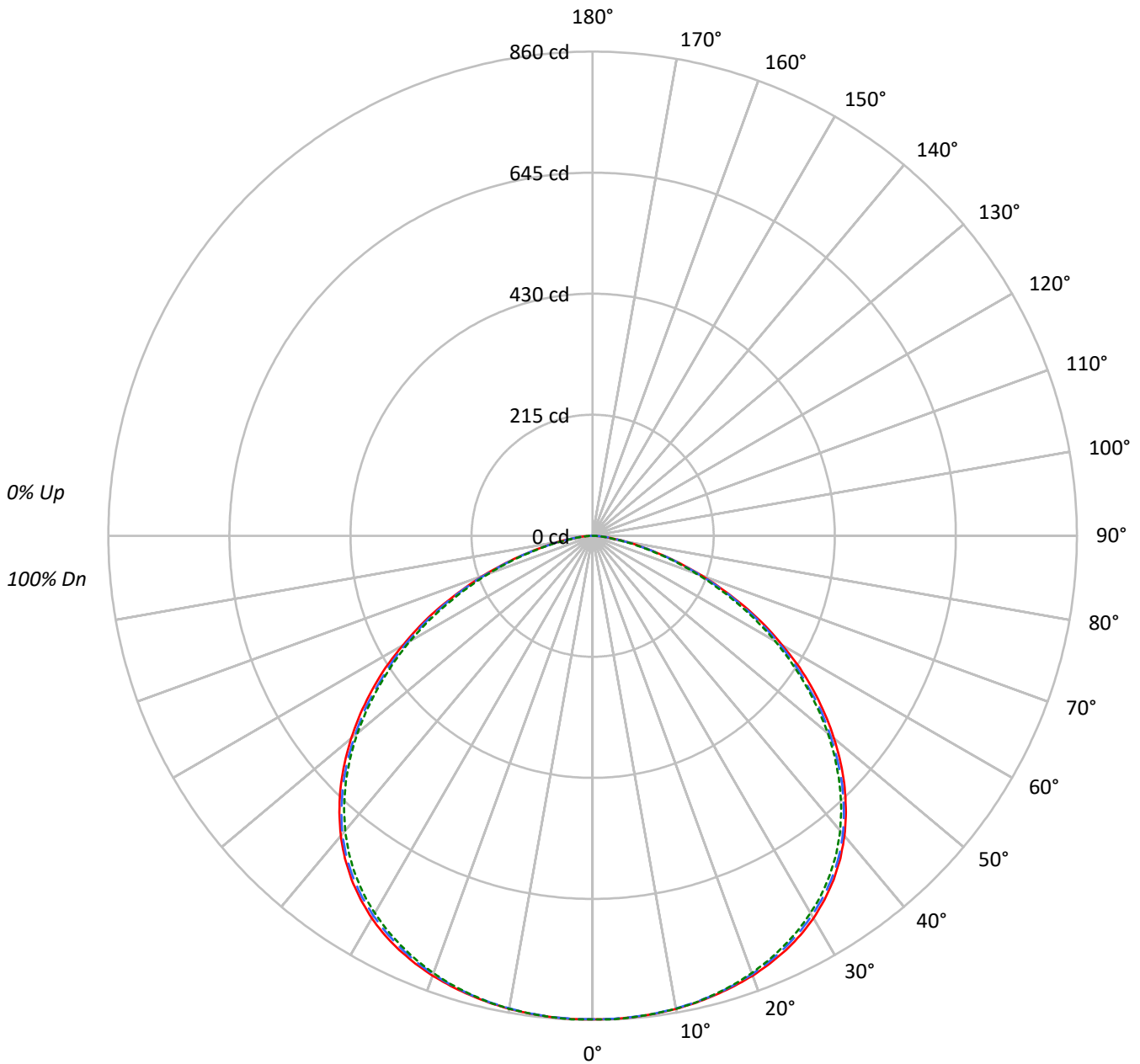
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2499.0 lumens
Efficiency: N/A
Efficacy: 92.6 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

TEST NUMBER: P412637
CATALOG NUMBER: 14PD-30-PP3-L930

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°	2311	2311	2311
5°	2317	2317	2318
10°	2332	2329	2331
15°	2352	2349	2347
20°	2381	2373	2367
25°	2411	2398	2387
30°	2437	2420	2405
35°	2451	2436	2414
40°	2444	2429	2402
45°	2409	2385	2359
50°	2343	2305	2281
55°	2246	2192	2164
60°	2093	2056	2015
65°	1897	1859	1805
70°	1619	1589	1538
75°	1264	1252	1192
80°	933	894	843
85°	562	562	525



TEST NUMBER: P412637

CATALOG NUMBER: 14PD-30-PP3-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.7	3.3
10°-20°	238.4	9.5
20°-30°	372.7	14.9
30°-40°	463.2	18.5
40°-50°	482.6	19.3
50°-60°	418.8	16.8
60°-70°	287.9	11.5
70°-80°	129.9	5.2
80°-90°	23.8	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°	692.8	27.7
0°-40°	1156.0	46.3
0°-60°	2057.3	82.3
0°-90°	2499.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2499.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	859	859	859	859	859	
5°	858	858	858	857	858	82
15°	844	844	843	842	843	239
25°	812	812	808	804	804	375
35°	746	746	742	737	735	466
45°	633	633	627	622	620	487
55°	479	476	467	462	461	427
65°	298	297	292	285	283	294
75°	122	122	120	117	115	132
85°	18	18	18	18	17	25
90°	0	0	0	0	0	



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CATALOG NUMBER: 14PD-30-PP3-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	858.8	858.8	858.8	858.8	<i>858.8</i>
2.5°	<i>859.1</i>	<i>859.1</i>	<i>858.6</i>	<i>857.8</i>	<i>859.6</i>
5°	857.8	858.1	857.6	856.8	<i>858.1</i>
7.5°	856.1	856.3	855.6	854.8	<i>855.8</i>
10°	853.3	853.1	852.3	851.8	<i>853.1</i>
12.5°	849.3	849.1	848.3	847.8	<i>848.8</i>
15°	844.3	844.3	843.1	842.4	<i>842.6</i>
17.5°	838.4	838.4	836.6	834.9	<i>835.4</i>
20°	831.4	831.1	828.6	826.9	<i>826.6</i>
22.5°	822.6	822.6	819.1	816.9	<i>816.1</i>
25°	811.9	811.6	807.6	804.4	<i>803.9</i>
27.5°	799.6	799.1	794.4	791.2	<i>789.9</i>
30°	784.4	783.9	778.9	775.4	<i>773.9</i>
32.5°	766.4	767.2	761.4	757.4	<i>755.9</i>
35°	746.0	746.0	741.5	737.2	<i>734.7</i>
37.5°	722.5	722.5	718.2	714.0	<i>711.0</i>
40°	695.8	696.0	691.5	686.3	<i>683.8</i>
42.5°	665.8	666.3	660.3	656.0	<i>653.3</i>
45°	633.1	633.3	626.8	622.1	<i>619.8</i>
47.5°	597.6	597.1	589.9	585.9	<i>583.6</i>
50°	559.7	558.7	550.7	546.9	<i>544.9</i>
52.5°	519.9	517.9	511.0	505.5	<i>503.7</i>
55°	478.7	476.0	467.3	461.8	<i>461.3</i>
57.5°	435.8	432.5	425.3	420.1	<i>418.1</i>
60°	388.8	388.1	382.1	375.8	<i>374.4</i>
62.5°	344.9	342.6	337.4	329.9	<i>329.1</i>
65°	297.9	296.7	291.9	284.9	<i>283.4</i>
67.5°	249.5	250.7	246.7	240.5	<i>238.5</i>
70°	205.8	206.5	202.0	196.3	<i>195.5</i>
72.5°	161.8	163.1	159.3	155.6	<i>154.8</i>
75°	121.6	122.1	120.4	117.1	<i>114.6</i>
77.5°	86.4	88.2	86.2	83.9	<i>81.9</i>
80°	60.2	57.4	57.7	56.7	<i>54.4</i>
82.5°	36.2	35.0	34.7	33.7	<i>32.7</i>
85°	18.2	18.0	18.2	18.0	<i>17.0</i>
87.5°	6.0	6.5	6.7	6.7	<i>6.2</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



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







(END OF REPORT)