

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: P412969

Luminaire Tested: **14PD-25-PC3-L927**

Issue Date: 9/15/2020

**Test Information**

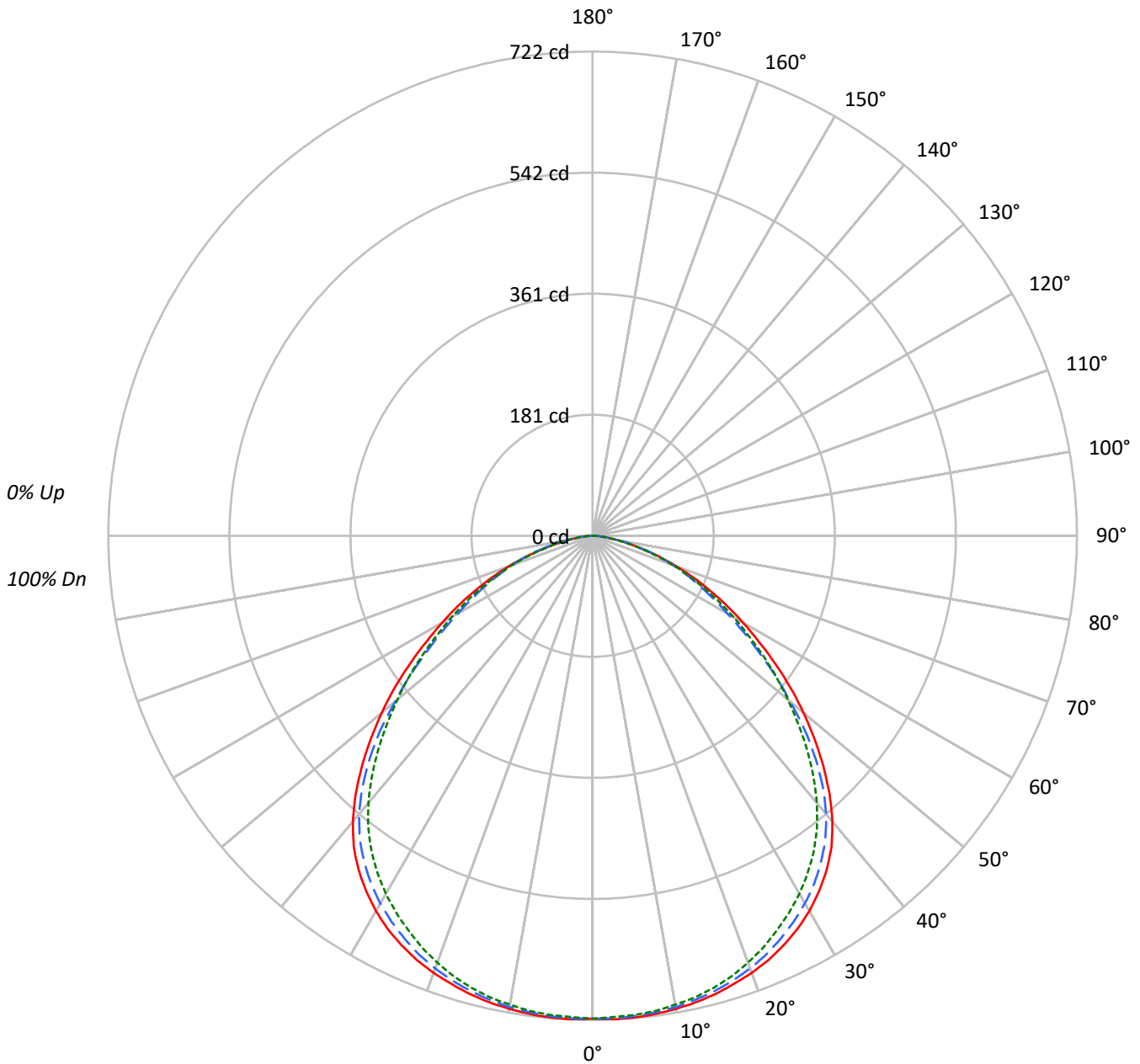
Test Method: LM-79-08  
Report Number: P412969  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-57)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-25-PC3-L927  
Description: 2500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1861.0 lumens  
Efficiency: N/A  
Efficacy: 82.0 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37  
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<sub>in</sub>): 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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86																			
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73																			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62																			
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54																			
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	53	49	47																			
6	72	60	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	41																			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37																			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33																			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30																			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1938	1938	1938
5°	1948	1943	1938
10°	1957	1949	1940
15°	1971	1958	1944
20°	1986	1966	1940
25°	2001	1969	1929
30°	2008	1967	1915
35°	1999	1950	1888
40°	1953	1903	1827
45°	1851	1788	1722
50°	1719	1609	1590
55°	1556	1418	1450
60°	1392	1249	1304
65°	1228	1120	1158
70°	1045	992	999
75°	803	846	780
80°	589	618	584
85°	395	432	423



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.4	3.7
10°-20°	198.4	10.7
20°-30°	305.1	16.4
30°-40°	369.2	19.8
40°-50°	360.4	19.4
50°-60°	278.5	15.0
60°-70°	178.9	9.6
70°-80°	84.4	4.5
80°-90°	17.7	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°	571.9	30.7
0°-40°	941.1	50.6
0°-60°	1580.0	84.9
0°-90°	1861.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1861.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	720	720	720	720	720	
5°	721	718	719	718	717	69
15°	707	704	703	700	698	200
25°	674	668	663	654	650	311
35°	608	602	594	580	575	379
45°	486	480	470	458	453	374
55°	332	316	302	303	309	297
65°	193	181	176	174	182	192
75°	77	78	81	75	75	85
85°	13	15	14	14	14	17
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	720.1	720.1	720.1	720.1	720.1
2.5°	721.7	718.8	720.4	720.4	718.2
5°	721.1	717.9	719.2	718.5	717.3
7.5°	719.2	716.0	716.9	716.3	714.7
10°	716.3	712.8	713.4	712.1	709.9
12.5°	712.5	709.3	708.6	706.7	705.1
15°	707.4	703.8	702.9	700.3	697.8
17.5°	700.7	697.1	695.5	691.7	688.8
20°	693.6	689.5	686.6	680.9	677.4
22.5°	684.7	679.9	676.1	668.1	664.6
25°	673.8	668.4	663.0	654.4	649.6
27.5°	661.1	655.3	648.9	639.4	633.9
30°	646.1	640.3	633.0	622.1	616.4
32.5°	628.2	622.4	614.8	602.3	596.6
35°	608.4	602.0	593.7	580.3	574.6
37.5°	584.8	577.8	570.1	555.4	549.3
40°	556.1	550.0	541.7	527.0	520.0
42.5°	522.9	517.4	508.2	494.1	487.4
45°	486.5	480.4	469.9	457.7	452.6
47.5°	448.5	439.5	429.3	418.8	415.9
50°	410.5	399.0	384.3	378.9	379.9
52.5°	371.6	356.9	344.1	340.0	344.7
55°	331.7	315.7	302.3	302.6	309.0
57.5°	293.7	277.1	265.9	265.9	274.2
60°	258.6	243.2	232.1	231.7	242.3
62.5°	226.0	210.4	202.1	202.1	211.6
65°	192.8	181.3	175.9	174.0	181.9
67.5°	162.2	154.2	150.3	148.1	153.2
70°	132.8	127.7	126.1	123.5	127.0
72.5°	103.7	102.5	105.7	99.6	101.2
75°	77.2	78.5	81.4	74.7	75.0
77.5°	55.5	58.1	59.1	55.9	55.9
80°	38.0	41.2	39.9	38.3	37.7
82.5°	24.3	25.9	25.9	24.9	24.3
85°	12.8	14.7	14.0	13.7	13.7
87.5°	4.8	6.7	6.7	6.4	6.1
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)