

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: P412630

Luminaire Tested: **14PD-25-PP3-L940**

Issue Date: 9/15/2020



**Test Information**

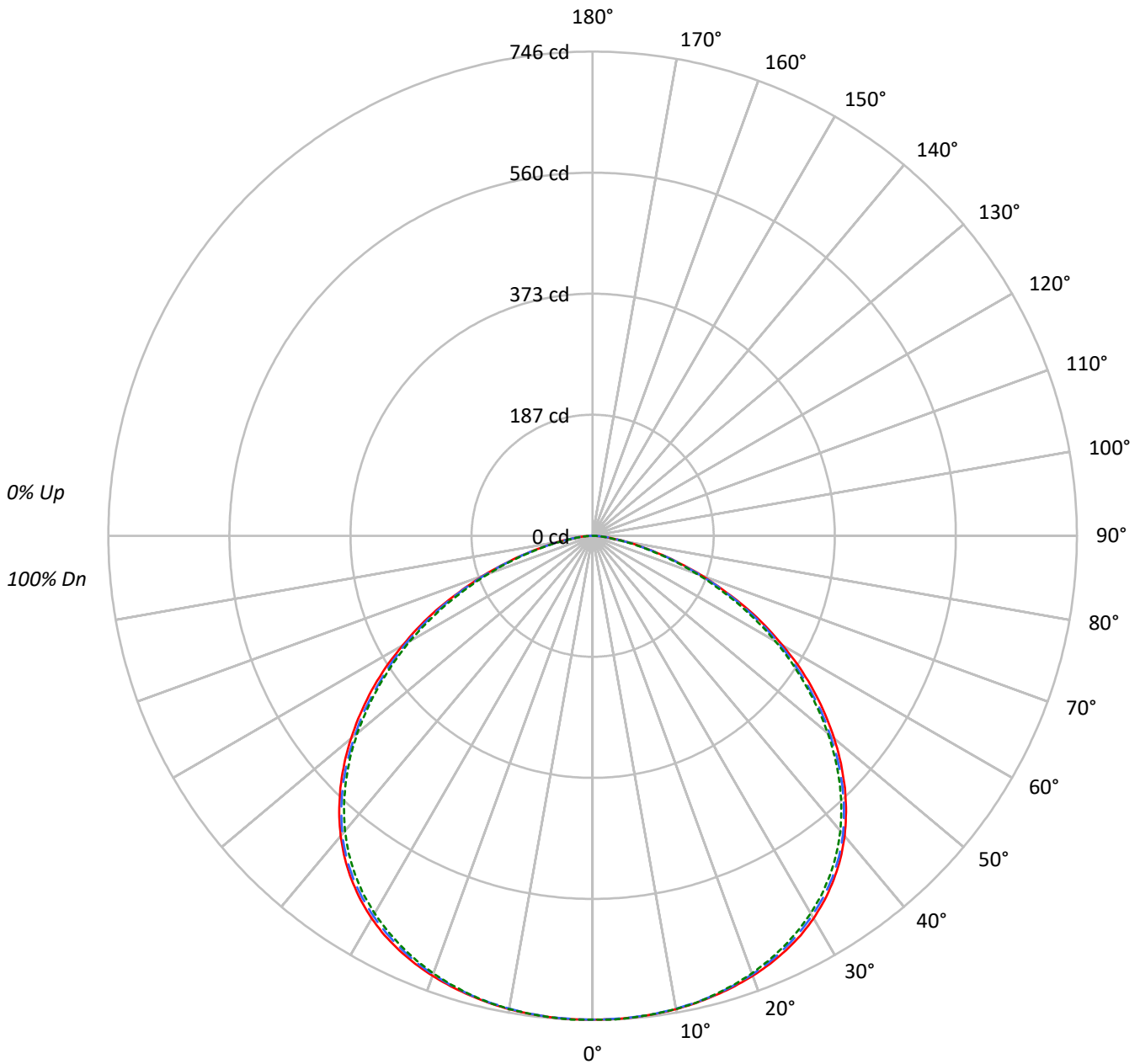
Test Method: LM-79-08  
Report Number: P412630  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-25-PP3-L940  
Description: 2500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2169.0 lumens  
Efficiency: N/A  
Efficacy: 95.6 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): 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	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°	2006	2006	2006
5°	2011	2011	2012
10°	2024	2021	2023
15°	2042	2039	2037
20°	2066	2060	2055
25°	2092	2081	2072
30°	2115	2101	2087
35°	2127	2114	2095
40°	2121	2108	2085
45°	2091	2071	2047
50°	2033	2001	1980
55°	1949	1902	1878
60°	1816	1785	1749
65°	1647	1613	1566
70°	1405	1380	1335
75°	1098	1087	1035
80°	809	776	733
85°	488	488	454



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.9	3.3
10°-20°	206.9	9.5
20°-30°	323.5	14.9
30°-40°	402.0	18.5
40°-50°	418.9	19.3
50°-60°	363.4	16.8
60°-70°	249.9	11.5
70°-80°	112.8	5.2
80°-90°	20.7	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°	601.3	27.7
0°-40°	1003.3	46.3
0°-60°	1785.6	82.3
0°-90°	2169.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2169.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	745	745	745	745	745	
5°	745	745	744	744	745	71
15°	733	733	732	731	731	207
25°	705	704	701	698	698	325
35°	647	647	644	640	638	405
45°	550	550	544	540	538	423
55°	416	413	406	401	400	370
65°	259	258	253	247	246	255
75°	106	106	104	102	100	115
85°	16	16	16	16	15	21
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	745.4	745.4	745.4	745.4	745.4
2.5°	745.6	745.6	745.2	744.6	746.1
5°	744.6	744.8	744.3	743.7	744.8
7.5°	743.0	743.3	742.6	742.0	742.8
10°	740.7	740.4	739.8	739.4	740.4
12.5°	737.2	737.0	736.3	735.9	736.8
15°	732.9	732.9	731.8	731.1	731.3
17.5°	727.6	727.6	726.1	724.6	725.0
20°	721.6	721.4	719.2	717.7	717.5
22.5°	714.0	714.0	711.0	709.0	708.4
25°	704.7	704.5	701.0	698.2	697.7
27.5°	694.1	693.6	689.5	686.7	685.6
30°	680.8	680.4	676.1	673.0	671.7
32.5°	665.2	665.9	660.9	657.4	656.1
35°	647.4	647.4	643.5	639.9	637.7
37.5°	627.1	627.1	623.4	619.7	617.1
40°	603.9	604.1	600.2	595.6	593.5
42.5°	577.9	578.3	573.1	569.4	567.0
45°	549.5	549.7	544.1	539.9	538.0
47.5°	518.7	518.3	512.0	508.5	506.6
50°	485.7	484.9	477.9	474.7	473.0
52.5°	451.3	449.6	443.5	438.7	437.2
55°	415.5	413.1	405.5	400.8	400.3
57.5°	378.2	375.4	369.1	364.6	362.8
60°	337.5	336.8	331.6	326.2	324.9
62.5°	299.3	297.4	292.8	286.3	285.7
65°	258.6	257.5	253.4	247.3	246.0
67.5°	216.5	217.6	214.2	208.7	207.0
70°	178.6	179.3	175.4	170.4	169.7
72.5°	140.5	141.5	138.3	135.0	134.4
75°	105.6	106.0	104.5	101.7	99.5
77.5°	75.0	76.5	74.8	72.8	71.1
80°	52.2	49.9	50.1	49.2	47.3
82.5°	31.4	30.3	30.1	29.3	28.4
85°	15.8	15.6	15.8	15.6	14.7
87.5°	5.2	5.6	5.9	5.9	5.4
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)