

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: P412288

Luminaire Tested: **14PD-25-PB1-L940**

Issue Date: 9/15/2020



**Test Information**

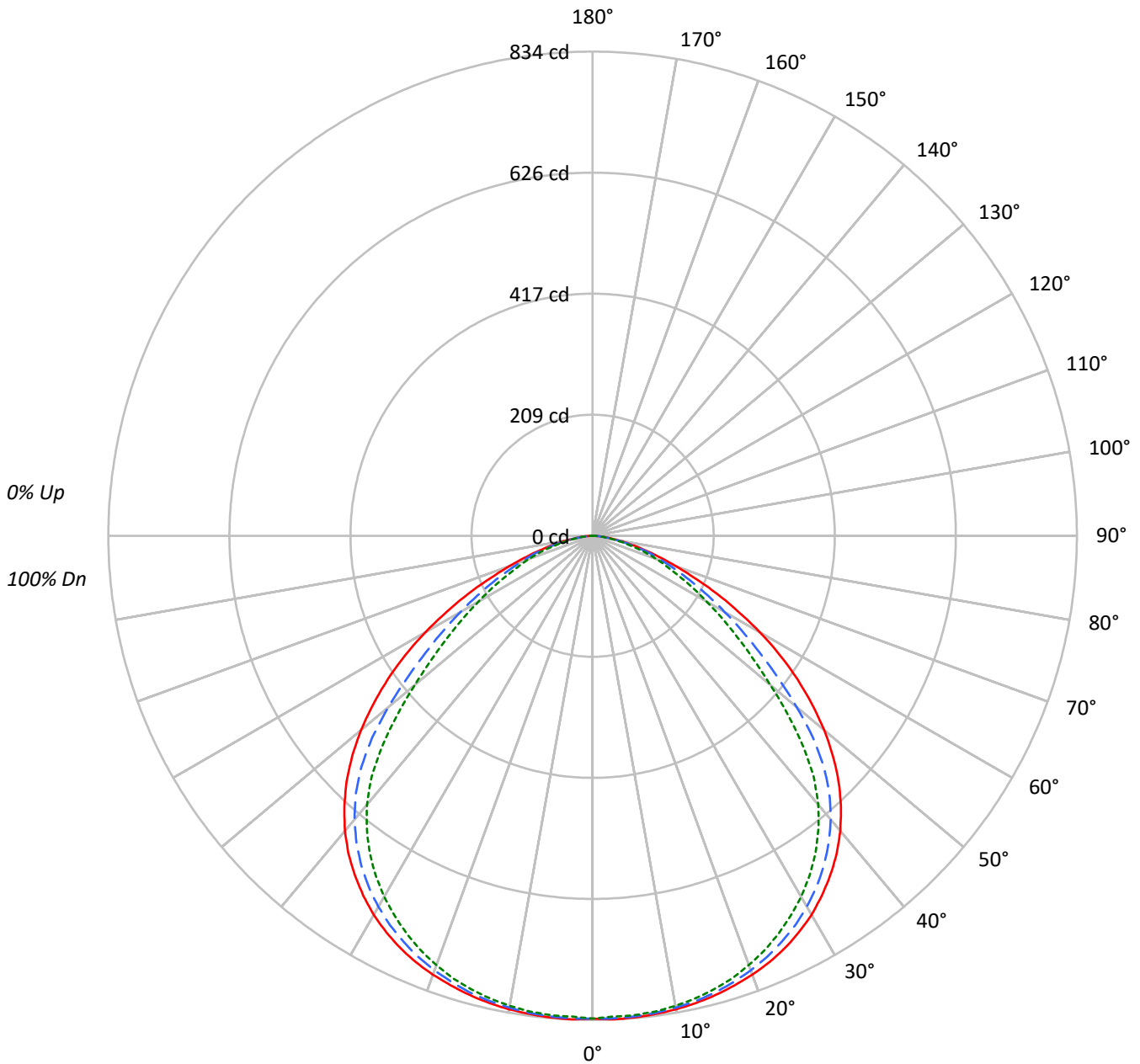
Test Method: LM-79-08  
Report Number: P412288  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-56)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-25-PB1-L940  
Description: 2500 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2144.0 lumens  
Efficiency: N/A  
Efficacy: 94.4 lumens/watt  
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38  
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

TEST NUMBER: P412288  
CATALOG NUMBER: 14PD-25-PB1-L940

### Luminous Intensity Polar Plot





TEST NUMBER: P412288

CATALOG NUMBER: 14PD-25-PB1-L940

**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	99	107	104	100	97	99	96	94	95	93	91	92	90	88	86																			
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74																			
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63																			
4	85	74	66	59	83	73	65	59	70	63	58	68	62	57	66	61	57	55																			
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	50	48																			
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42																			
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37																			
8	63	50	42	36	61	49	41	36	48	41	36	47	40	35	45	40	35	33																			
9	59	46	38	32	57	45	37	32	44	37	32	43	37	32	42	36	32	30																			
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27																			

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

	0°	45°	90°
0°	2238	2238	2238
5°	2250	2245	2239
10°	2263	2255	2246
15°	2281	2270	2253
20°	2304	2281	2253
25°	2327	2290	2247
30°	2342	2293	2231
35°	2344	2280	2196
40°	2331	2241	2123
45°	2280	2143	1950
50°	2179	1920	1671
55°	2018	1646	1427
60°	1792	1413	1220
65°	1504	1205	1044
70°	1192	1024	921
75°	932	836	732
80°	694	623	563
85°	460	408	374



TEST NUMBER: P412288

CATALOG NUMBER: 14PD-25-PB1-L940

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.1	3.7
10°-20°	229.8	10.7
20°-30°	354.9	16.6
30°-40°	432.0	20.1
40°-50°	427.5	19.9
50°-60°	322.1	15.0
60°-70°	193.5	9.0
70°-80°	87.2	4.1
80°-90°	17.9	0.8
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°	663.9	31.0
0°-40°	1095.8	51.1
0°-60°	1845.4	86.1
0°-90°	2144.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2144.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	832	832	832	832	832	
5°	833	830	831	830	829	79
15°	819	815	815	812	809	232
25°	784	778	771	761	757	361
35°	714	706	694	677	668	446
45°	599	589	563	529	512	460
55°	430	400	351	317	304	383
65°	236	214	189	169	164	235
75°	90	85	80	73	70	98
85°	15	15	13	12	12	19
90°	0	0	0	0	0	



TEST NUMBER: P412288

CATALOG NUMBER: 14PD-25-PB1-L940

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	831.7	831.7	831.7	831.7	831.7
2.5°	833.9	830.3	832.1	831.7	828.9
5°	832.8	829.6	831.0	830.3	828.9
7.5°	831.0	827.8	828.9	827.8	826.4
10°	828.2	824.6	825.3	823.2	822.1
12.5°	824.3	820.0	820.7	817.9	816.4
15°	818.9	815.0	814.7	811.5	808.6
17.5°	812.2	808.3	806.1	802.6	799.4
20°	804.4	799.4	796.5	790.1	786.9
22.5°	795.1	789.8	785.1	776.2	773.0
25°	783.7	777.7	771.3	761.0	756.7
27.5°	769.8	763.4	756.0	744.6	738.2
30°	753.8	747.1	737.8	724.7	717.9
32.5°	735.0	727.5	717.5	701.9	694.8
35°	713.6	705.8	694.1	677.0	668.5
37.5°	690.5	681.6	667.7	647.1	638.6
40°	663.5	654.6	637.9	614.0	604.4
42.5°	632.9	624.0	603.7	575.2	563.5
45°	599.1	588.8	563.2	528.6	512.3
47.5°	561.4	548.2	514.8	472.4	456.1
50°	520.5	503.0	458.6	415.2	399.2
52.5°	476.0	453.9	402.7	363.9	348.6
55°	430.1	399.9	350.8	316.6	304.2
57.5°	382.4	346.1	305.2	275.4	263.6
60°	333.0	297.8	262.5	235.2	226.6
62.5°	282.5	253.7	224.5	199.2	194.6
65°	236.2	214.2	189.3	169.3	164.0
67.5°	189.6	177.2	158.0	144.4	138.4
70°	151.5	143.4	130.2	119.2	117.0
72.5°	118.5	113.1	108.1	98.5	94.6
75°	89.6	85.0	80.4	72.9	70.4
77.5°	64.7	63.0	59.1	54.1	53.0
80°	44.8	44.8	40.2	37.4	36.3
82.5°	27.7	30.2	25.3	23.5	22.4
85°	14.9	15.3	13.2	12.5	12.1
87.5°	5.7	6.4	6.0	5.0	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)