

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: P412625

Luminaire Tested: **14PD-25-PP3-L840**

Issue Date: 9/15/2020

**Test Information**

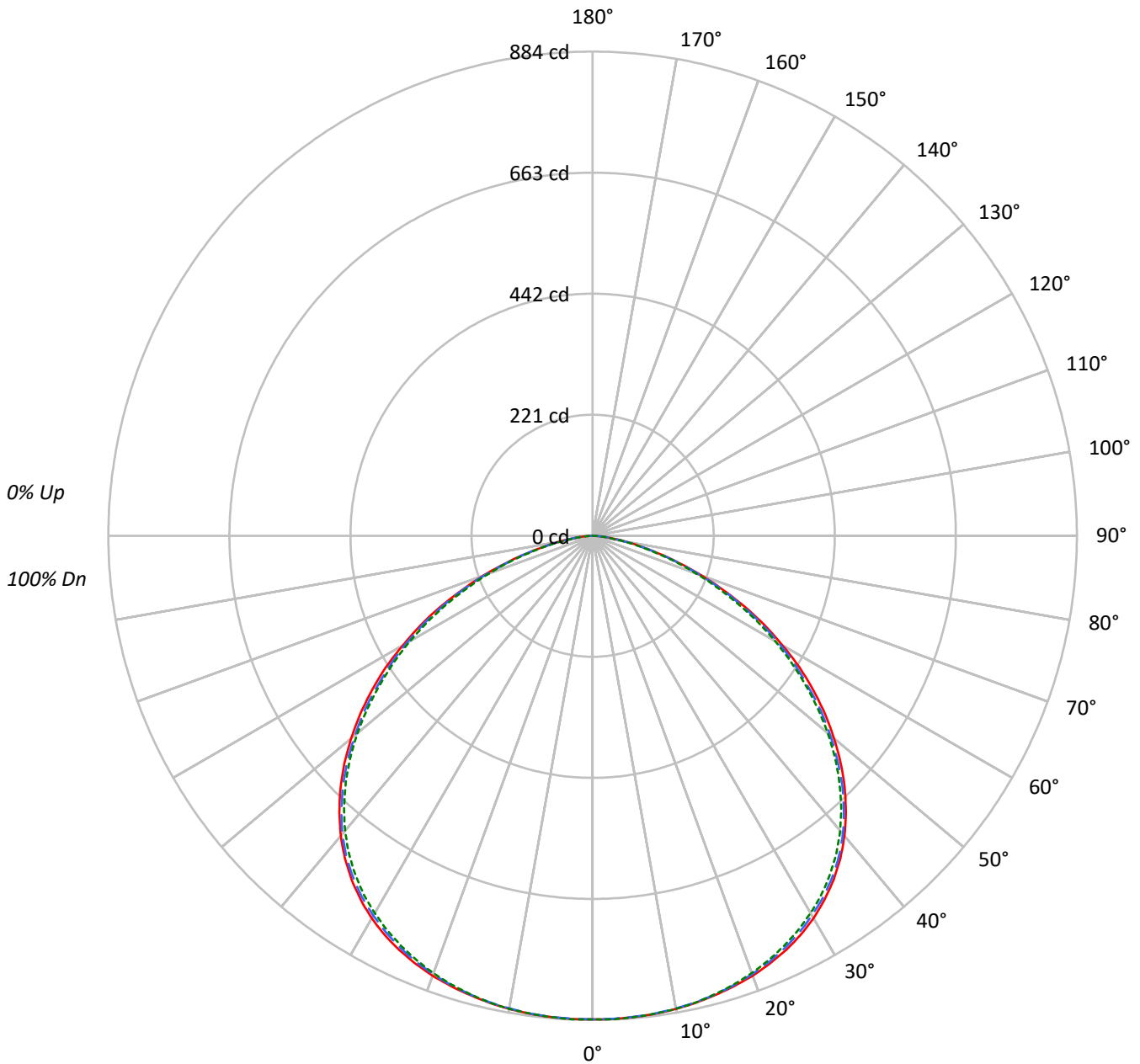
Test Method: LM-79-08  
Report Number: P412625  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-25-PP3-L840  
Description: 2500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2569.0 lumens  
Efficiency: N/A  
Efficacy: 113.2 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°	2376	2376	2376
5°	2382	2381	2383
10°	2397	2394	2396
15°	2418	2415	2413
20°	2448	2439	2434
25°	2478	2465	2454
30°	2506	2488	2472
35°	2519	2504	2481
40°	2512	2497	2469
45°	2477	2452	2425
50°	2408	2370	2345
55°	2309	2253	2225
60°	2151	2114	2071
65°	1950	1911	1855
70°	1664	1634	1581
75°	1300	1286	1225
80°	959	919	868
85°	577	577	540



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.0	3.3
10°-20°	245.1	9.5
20°-30°	383.1	14.9
30°-40°	476.1	18.5
40°-50°	496.1	19.3
50°-60°	430.5	16.8
60°-70°	296.0	11.5
70°-80°	133.6	5.2
80°-90°	24.5	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°	712.2	27.7
0°-40°	1188.4	46.3
0°-60°	2114.9	82.3
0°-90°	2569.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2569.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	883	883	883	883	883	
5°	882	882	882	881	882	84
15°	868	868	867	866	866	246
25°	835	834	830	827	826	385
35°	767	767	762	758	755	479
45°	651	651	644	640	637	501
55°	492	489	480	475	474	439
65°	306	305	300	293	291	302
75°	125	126	124	120	118	136
85°	19	18	19	18	18	25
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	882.9	882.9	882.9	882.9	882.9
2.5°	883.1	883.1	882.6	881.9	883.7
5°	881.9	882.1	881.6	880.8	882.1
7.5°	880.1	880.3	879.6	878.8	879.8
10°	877.2	877.0	876.2	875.7	877.0
12.5°	873.1	872.9	872.1	871.6	872.6
15°	868.0	868.0	866.7	865.9	866.2
17.5°	861.8	861.8	860.0	858.2	858.8
20°	854.7	854.4	851.8	850.0	849.8
22.5°	845.7	845.7	842.1	839.8	839.0
25°	834.6	834.4	830.3	826.9	826.4
27.5°	822.0	821.5	816.7	813.3	812.0
30°	806.4	805.9	800.7	797.1	795.6
32.5°	787.9	788.7	782.8	778.7	777.1
35°	766.8	766.8	762.2	757.9	755.3
37.5°	742.7	742.7	738.4	734.0	730.9
40°	715.2	715.5	710.9	705.5	702.9
42.5°	684.4	685.0	678.8	674.4	671.6
45°	650.8	651.1	644.4	639.5	637.2
47.5°	614.4	613.8	606.4	602.3	600.0
50°	575.3	574.3	566.1	562.2	560.2
52.5°	534.5	532.5	525.3	519.6	517.8
55°	492.1	489.3	480.3	474.7	474.2
57.5°	448.0	444.7	437.2	431.8	429.8
60°	399.7	399.0	392.8	386.4	384.8
62.5°	354.5	352.2	346.8	339.1	338.4
65°	306.3	305.0	300.1	292.9	291.4
67.5°	256.5	257.8	253.6	247.2	245.2
70°	211.5	212.3	207.7	201.8	201.0
72.5°	166.4	167.6	163.8	159.9	159.2
75°	125.0	125.5	123.7	120.4	117.8
77.5°	88.8	90.6	88.6	86.3	84.2
80°	61.9	59.0	59.3	58.3	56.0
82.5°	37.2	35.9	35.7	34.7	33.6
85°	18.7	18.5	18.7	18.5	17.5
87.5°	6.2	6.7	6.9	6.9	6.4
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)