

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: P412631

Luminaire Tested: **14PD-25-PP3-L950**

Issue Date: 9/15/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P412631  
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-L950  
Description: 2500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

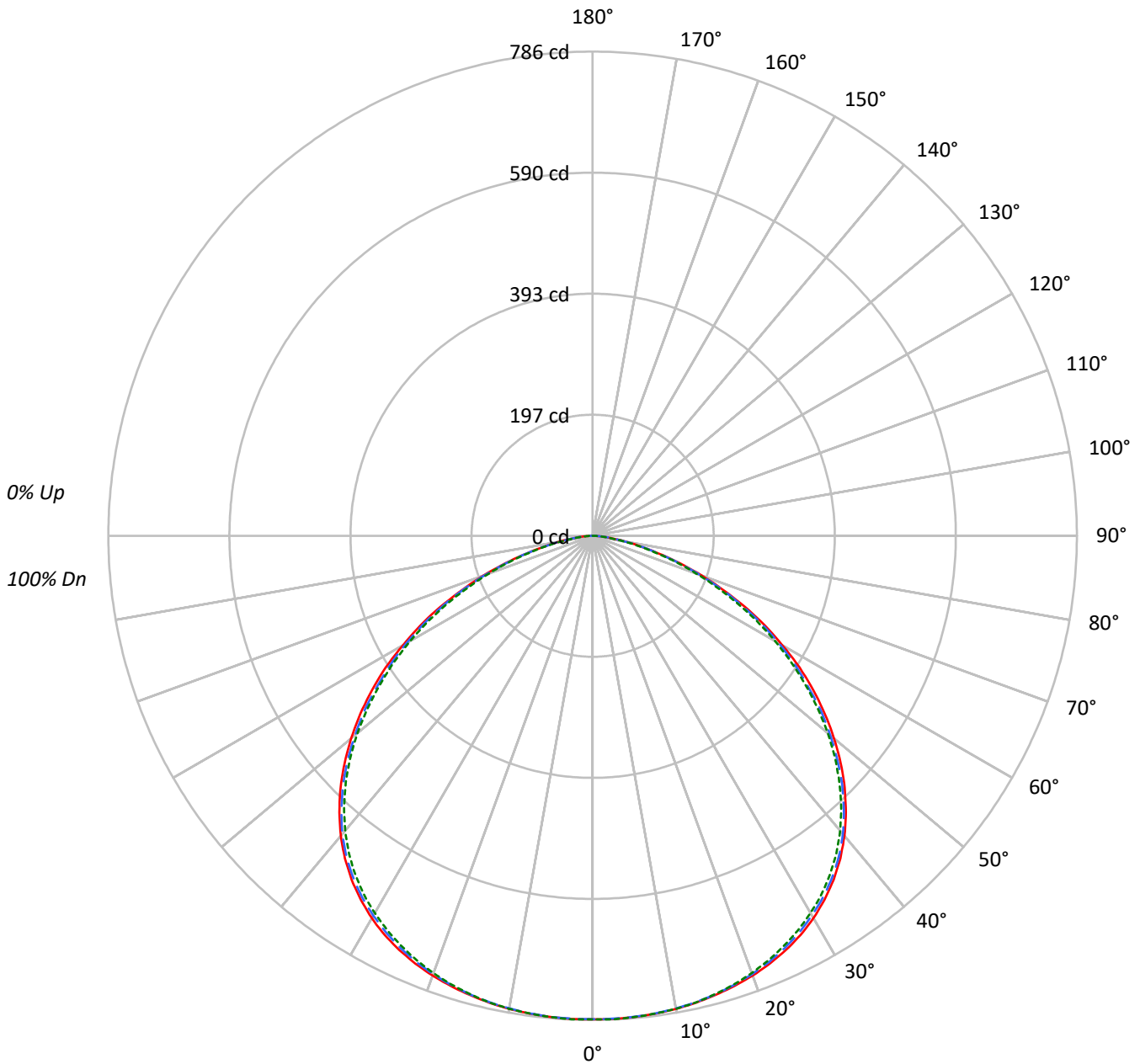
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2284.0 lumens  
Efficiency: N/A  
Efficacy: 100.6 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

TEST NUMBER: P412631

CATALOG NUMBER: 14PD-25-PP3-L950

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				20	
RC	80				70				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				100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85				85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71				71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60				60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52				52
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45				45
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39				39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34				34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31				31
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27				27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25				25

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

	0°	45°	90°
0°	2112	2112	2112
5°	2118	2117	2119
10°	2131	2129	2131
15°	2150	2147	2145
20°	2176	2169	2164
25°	2203	2192	2181
30°	2228	2212	2198
35°	2240	2226	2206
40°	2234	2220	2195
45°	2202	2180	2156
50°	2141	2107	2085
55°	2053	2004	1978
60°	1913	1879	1841
65°	1734	1699	1650
70°	1480	1453	1406
75°	1156	1144	1090
80°	852	817	772
85°	516	516	479



TEST NUMBER: P412631

CATALOG NUMBER: 14PD-25-PP3-L950

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.7	3.3
10°-20°	217.9	9.5
20°-30°	340.6	14.9
30°-40°	423.3	18.5
40°-50°	441.1	19.3
50°-60°	382.7	16.8
60°-70°	263.2	11.5
70°-80°	118.8	5.2
80°-90°	21.8	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°	633.2	27.7
0°-40°	1056.5	46.3
0°-60°	1880.3	82.3
0°-90°	2284.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2284.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	785	785	785	785	785	
5°	784	784	784	783	784	75
15°	772	772	771	770	770	218
25°	742	742	738	735	735	342
35°	682	682	678	674	672	426
45°	579	579	573	569	566	445
55°	438	435	427	422	422	390
65°	272	271	267	260	259	269
75°	111	112	110	107	105	121
85°	17	16	17	16	16	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	784.9	784.9	784.9	784.9	784.9
2.5°	785.2	785.2	784.7	784.0	785.6
5°	784.0	784.3	783.8	783.1	784.3
7.5°	782.4	782.7	782.0	781.3	782.2
10°	779.9	779.7	779.0	778.6	779.7
12.5°	776.3	776.0	775.4	774.9	775.8
15°	771.7	771.7	770.6	769.9	770.1
17.5°	766.2	766.2	764.6	763.0	763.5
20°	759.8	759.6	757.3	755.7	755.5
22.5°	751.8	751.8	748.7	746.6	745.9
25°	742.0	741.8	738.2	735.2	734.7
27.5°	730.8	730.4	726.1	723.1	721.9
30°	716.9	716.5	711.9	708.7	707.3
32.5°	700.5	701.2	695.9	692.3	690.9
35°	681.8	681.8	677.7	673.8	671.5
37.5°	660.3	660.3	656.4	652.6	649.8
40°	635.9	636.1	632.0	627.2	624.9
42.5°	608.5	609.0	603.5	599.6	597.1
45°	578.6	578.8	572.9	568.6	566.5
47.5°	546.2	545.7	539.1	535.5	533.4
50°	511.5	510.6	503.3	499.9	498.0
52.5°	475.2	473.4	467.0	462.0	460.4
55°	437.6	435.0	427.1	422.0	421.6
57.5°	398.3	395.3	388.7	383.9	382.1
60°	355.4	354.7	349.2	343.5	342.1
62.5°	315.2	313.2	308.4	301.5	300.8
65°	272.3	271.2	266.8	260.4	259.1
67.5°	228.0	229.2	225.5	219.8	218.0
70°	188.1	188.8	184.7	179.4	178.7
72.5°	147.9	149.0	145.6	142.2	141.5
75°	111.2	111.6	110.0	107.0	104.8
77.5°	79.0	80.6	78.7	76.7	74.9
80°	55.0	52.5	52.7	51.8	49.8
82.5°	33.1	32.0	31.7	30.8	29.9
85°	16.7	16.4	16.7	16.4	15.5
87.5°	5.5	5.9	6.2	6.2	5.7
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)