

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: P412971

Luminaire Tested: **14PD-25-PC3-L935**

Issue Date: 9/15/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P412971  
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-L935  
Description: 2500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS  
Light Source: -  
Ballast/Driver: -

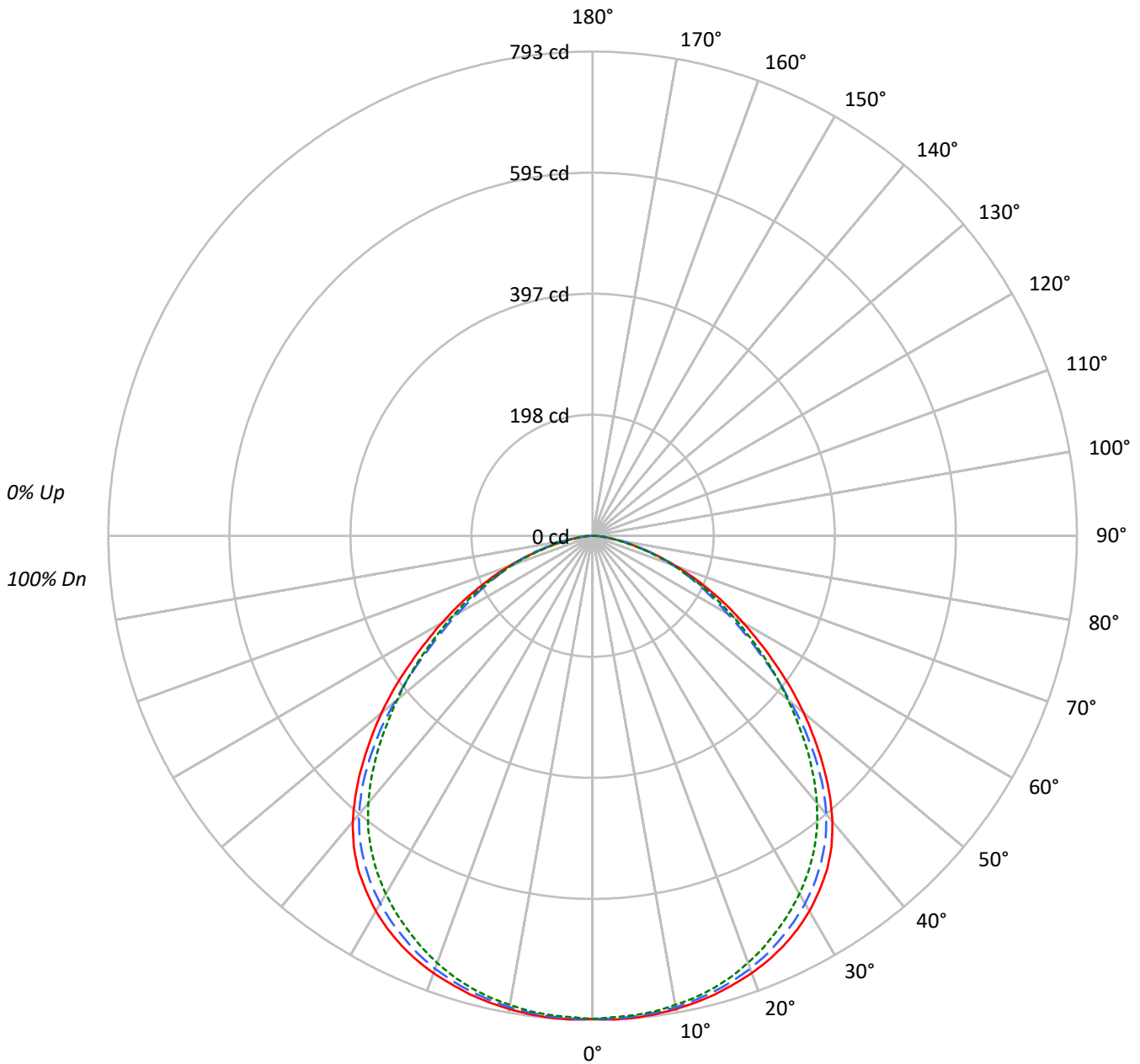
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2045.0 lumens  
Efficiency: N/A  
Efficacy: 90.1 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				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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86			86
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73			73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62			62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54			54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	53	49	47			47
6	72	60	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	41			41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37			37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33			33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30			30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27			27

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

	0°	45°	90°
0°	2129	2129	2129
5°	2140	2135	2129
10°	2151	2142	2132
15°	2165	2152	2136
20°	2183	2161	2131
25°	2199	2163	2119
30°	2206	2161	2105
35°	2196	2143	2074
40°	2146	2091	2007
45°	2034	1965	1893
50°	1888	1768	1747
55°	1710	1559	1593
60°	1529	1372	1433
65°	1349	1231	1273
70°	1148	1090	1098
75°	883	930	857
80°	646	679	642
85°	432	475	466



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.2	3.7
10°-20°	218.0	10.7
20°-30°	335.3	16.4
30°-40°	405.7	19.8
40°-50°	396.1	19.4
50°-60°	306.1	15.0
60°-70°	196.5	9.6
70°-80°	92.7	4.5
80°-90°	19.5	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°	628.4	30.7
0°-40°	1034.1	50.6
0°-60°	1736.3	84.9
0°-90°	2045.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2045.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	791	791	791	791	791	
5°	792	789	790	790	788	75
15°	777	773	772	770	767	220
25°	740	734	728	719	714	341
35°	669	662	652	638	631	417
45°	535	528	516	503	497	411
55°	364	347	332	332	340	327
65°	212	199	193	191	200	211
75°	85	86	89	82	82	93
85°	14	16	15	15	15	18
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	791.3	791.3	791.3	791.3	791.3
2.5°	793.1	789.9	791.7	791.7	789.2
5°	792.4	788.9	790.3	789.6	788.2
7.5°	790.3	786.8	787.8	787.1	785.4
10°	787.1	783.3	784.0	782.6	780.1
12.5°	782.9	779.4	778.7	776.6	774.8
15°	777.3	773.4	772.4	769.6	766.8
17.5°	769.9	766.1	764.3	760.1	756.9
20°	762.2	757.6	754.5	748.2	744.3
22.5°	752.4	747.1	742.9	734.1	730.3
25°	740.5	734.5	728.5	719.1	713.8
27.5°	726.4	720.1	713.1	702.6	696.6
30°	709.9	703.6	695.6	683.6	677.3
32.5°	690.3	684.0	675.6	661.9	655.6
35°	668.6	661.5	652.4	637.7	631.4
37.5°	642.6	634.9	626.5	610.3	603.7
40°	611.0	604.4	595.2	579.1	571.4
42.5°	574.6	568.6	558.4	543.0	535.6
45°	534.6	527.9	516.3	503.0	497.4
47.5°	492.8	483.0	471.8	460.2	457.0
50°	451.1	438.5	422.3	416.4	417.4
52.5°	408.3	392.2	378.1	373.6	378.8
55°	364.4	346.9	332.2	332.5	339.5
57.5°	322.7	304.5	292.2	292.2	301.3
60°	284.1	267.3	255.0	254.7	266.2
62.5°	248.3	231.2	222.0	222.0	232.6
65°	211.9	199.2	193.3	191.2	199.9
67.5°	178.2	169.4	165.2	162.8	168.4
70°	145.9	140.3	138.6	135.7	139.6
72.5°	114.0	112.6	116.1	109.4	111.2
75°	84.9	86.3	89.4	82.1	82.4
77.5°	61.0	63.8	64.9	61.4	61.4
80°	41.7	45.2	43.8	42.1	41.4
82.5°	26.7	28.4	28.4	27.4	26.7
85°	14.0	16.1	15.4	15.1	15.1
87.5°	5.3	7.4	7.4	7.0	6.7
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)