

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: P738432

Luminaire Tested: **24PT-30-PC3-L835**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738432  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-30-PC3-L835  
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source: -  
Ballast/Driver: -

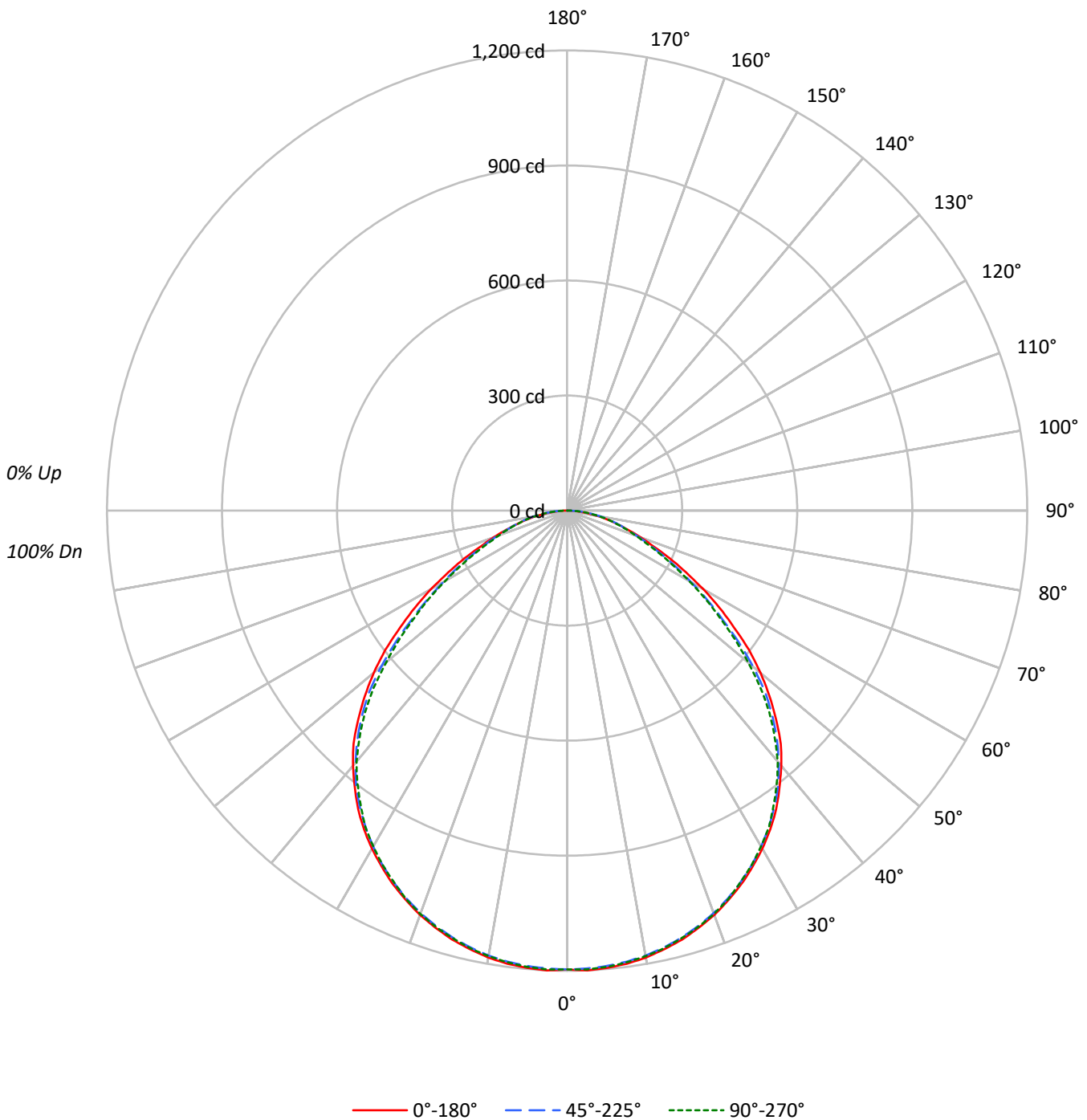
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3018.0 lumens  
Efficiency: N/A  
Efficacy: 126.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 23.8  
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

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

	0°	45°	90°
0°	1716	1716	1716
5°	1723	1716	1719
10°	1723	1715	1718
15°	1719	1711	1713
20°	1712	1704	1708
25°	1701	1692	1692
30°	1686	1675	1674
35°	1664	1650	1643
40°	1626	1607	1599
45°	1563	1534	1513
50°	1468	1411	1374
55°	1327	1237	1214
60°	1174	1071	1050
65°	1003	928	904
70°	850	814	790
75°	745	758	732
80°	668	737	695
85°	564	675	642



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.4	3.8
10°-20°	325.6	10.8
20°-30°	493.3	16.3
30°-40°	589.2	19.5
40°-50°	581.2	19.3
50°-60°	449.9	14.9
60°-70°	276.5	9.2
70°-80°	144.9	4.8
80°-90°	43.9	1.5
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°	932.3	30.9
0°-40°	1521.5	50.4
0°-60°	2552.6	84.6
0°-90°	3018.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3018.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1196	1196	1196	1196	1196	
5°	1197	1194	1192	1192	1194	114
15°	1158	1154	1153	1152	1154	327
25°	1075	1072	1070	1069	1069	495
35°	950	946	943	940	938	593
45°	771	765	757	749	746	593
55°	531	516	495	488	486	476
65°	296	282	273	265	266	295
75°	134	136	137	134	132	145
85°	34	38	41	40	39	40
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1196.5	1196.5	1196.5	1196.5	1196.5
2.5°	1200.5	1196.8	1195.1	1194.8	1197.5
5°	1197.1	1193.5	1192.1	1191.5	1194.5
7.5°	1191.8	1187.8	1186.5	1185.5	1188.1
10°	1183.5	1179.5	1178.1	1177.5	1179.8
12.5°	1171.5	1167.8	1166.8	1165.8	1168.8
15°	1158.2	1154.5	1152.8	1151.8	1154.2
17.5°	1140.8	1137.9	1135.9	1135.9	1137.9
20°	1122.2	1118.5	1116.9	1115.9	1119.2
22.5°	1099.2	1096.9	1094.9	1093.2	1096.9
25°	1074.9	1071.6	1069.6	1068.9	1069.3
27.5°	1047.3	1044.9	1042.3	1041.3	1041.9
30°	1018.3	1015.3	1011.6	1009.6	1011.3
32.5°	986.0	981.7	978.7	976.7	979.0
35°	950.4	946.0	942.7	939.7	938.4
37.5°	909.7	908.4	903.8	898.4	898.1
40°	868.8	865.1	858.5	856.1	854.5
42.5°	824.8	817.2	810.2	803.5	801.2
45°	770.9	765.2	756.6	748.6	745.9
47.5°	715.6	708.3	700.0	686.0	684.3
50°	658.0	647.3	632.7	621.0	616.0
52.5°	598.1	583.7	563.4	553.4	550.8
55°	530.8	516.5	494.8	487.5	485.5
57.5°	470.9	449.9	432.2	423.9	426.6
60°	409.3	388.9	373.3	365.3	366.0
62.5°	349.0	333.0	321.3	313.7	314.7
65°	295.7	282.0	273.4	265.4	266.4
67.5°	243.4	237.1	230.8	226.1	223.4
70°	202.8	200.1	194.1	189.8	188.5
72.5°	165.8	167.5	162.5	161.2	160.8
75°	134.5	135.9	136.9	134.2	132.2
77.5°	107.6	109.6	113.6	109.9	109.2
80°	80.9	84.9	89.2	86.9	84.2
82.5°	56.6	61.6	65.6	62.6	61.3
85°	34.3	38.3	41.0	40.0	39.0
87.5°	15.3	16.6	18.0	18.3	17.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)