

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: P737760

Luminaire Tested: **14PT-30-PC3-L835**

Issue Date: 2/8/2024



**Test Information**

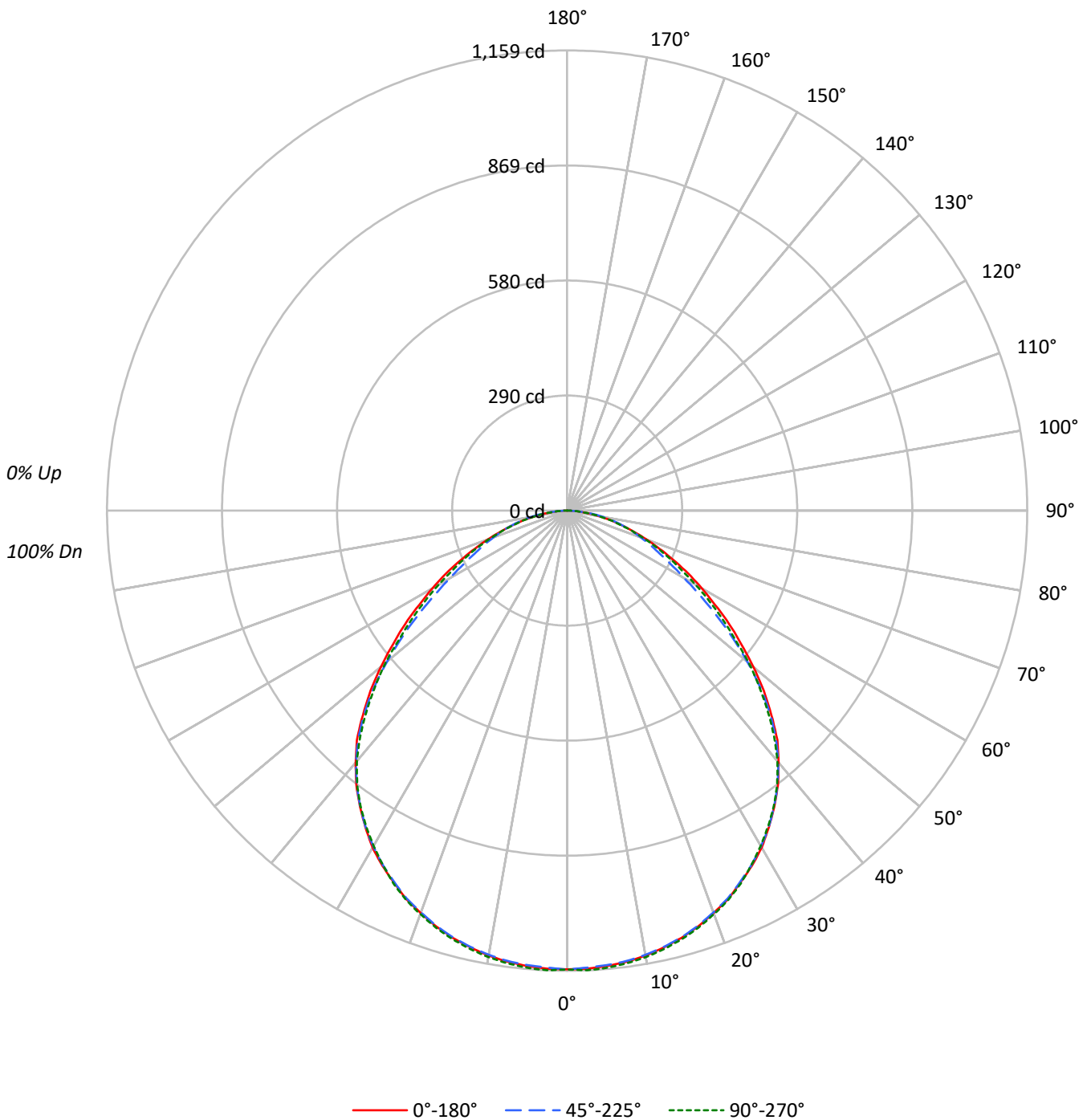
Test Method: LM-79-08  
Report Number: P737760  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-30-PC3-L835  
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2913.0 lumens  
Efficiency: N/A  
Efficacy: 124.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34  
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 23.4  
Input Voltage (V): NR  
Input Current (Ain): 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	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	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85					85			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72					72			
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62					62			
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54					54			
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47					47			
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41					41			
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37					37			
8	62	49	41	35	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°	3464	3464	3464
5°	3465	3459	3479
10°	3465	3459	3478
15°	3457	3453	3469
20°	3441	3436	3451
25°	3418	3412	3426
30°	3392	3381	3375
35°	3331	3328	3321
40°	3243	3238	3223
45°	3084	3061	3029
50°	2855	2758	2789
55°	2605	2393	2502
60°	2349	2042	2240
65°	2099	1827	2014
70°	1862	1728	1811
75°	1647	1675	1614
80°	1419	1599	1412
85°	1066	1266	1066



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.6	3.8
10°-20°	314.6	10.8
20°-30°	476.3	16.3
30°-40°	567.8	19.5
40°-50°	554.8	19.0
50°-60°	424.2	14.6
60°-70°	272.4	9.4
70°-80°	151.5	5.2
80°-90°	41.8	1.4
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°	900.4	30.9
0°-40°	1468.2	50.4
0°-60°	2447.3	84.0
0°-90°	2913.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2913.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1156	1156	1156	1156	1156	
5°	1151	1152	1149	1155	1156	110
15°	1114	1115	1112	1116	1118	314
25°	1033	1034	1032	1035	1036	477
35°	910	911	909	909	908	569
45°	727	729	722	720	714	560
55°	498	481	458	464	479	445
65°	296	273	258	266	284	295
75°	142	143	145	143	139	152
85°	31	36	37	36	31	38
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1155.5	1155.5	1155.5	1155.5	1155.5
2.5°	1154.7	1155.1	1152.2	1157.2	1158.8
5°	1151.4	1152.2	1149.3	1154.7	1155.9
7.5°	1146.4	1147.2	1144.3	1149.7	1150.1
10°	1138.1	1138.6	1136.1	1141.5	1142.3
12.5°	1127.0	1128.2	1125.3	1130.3	1130.7
15°	1113.8	1114.6	1112.5	1116.2	1117.5
17.5°	1098.1	1098.5	1096.4	1100.5	1101.0
20°	1078.6	1078.6	1077.0	1081.5	1081.5
22.5°	1058.8	1057.6	1057.1	1058.8	1061.3
25°	1033.2	1034.4	1031.5	1034.8	1035.7
27.5°	1008.4	1008.4	1005.9	1007.6	1005.5
30°	979.9	978.2	976.6	977.0	974.9
32.5°	945.6	945.6	944.7	944.7	942.3
35°	910.0	910.8	909.2	908.8	907.5
37.5°	872.0	873.2	870.3	869.5	868.7
40°	828.6	828.6	827.4	825.7	823.6
42.5°	783.6	783.6	778.2	774.1	771.2
45°	727.4	729.0	722.0	720.3	714.5
47.5°	671.6	670.3	660.8	659.6	656.3
50°	612.1	605.0	591.4	595.1	598.0
52.5°	552.5	543.9	524.0	528.2	533.1
55°	498.4	481.0	457.9	463.7	478.6
57.5°	441.8	418.6	395.5	406.2	424.8
60°	391.8	365.7	340.5	352.1	373.6
62.5°	343.8	316.2	295.9	307.1	325.2
65°	295.9	273.2	257.5	266.1	283.9
67.5°	252.1	236.8	226.1	230.2	244.7
70°	212.4	202.9	197.1	198.4	206.6
72.5°	174.8	172.3	170.3	170.3	171.1
75°	142.2	143.4	144.6	142.6	139.3
77.5°	112.0	116.1	119.0	114.9	110.8
80°	82.2	88.9	92.6	88.0	81.8
82.5°	56.2	63.6	64.9	62.0	55.0
85°	31.0	36.4	36.8	35.5	31.0
87.5°	11.6	13.6	14.9	13.6	12.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)