

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: P737752

Luminaire Tested: **14PT-30-PB1-L835**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737752  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-30-PB1-L835  
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS

Light Source: -  
Ballast/Driver: -

**Summary**

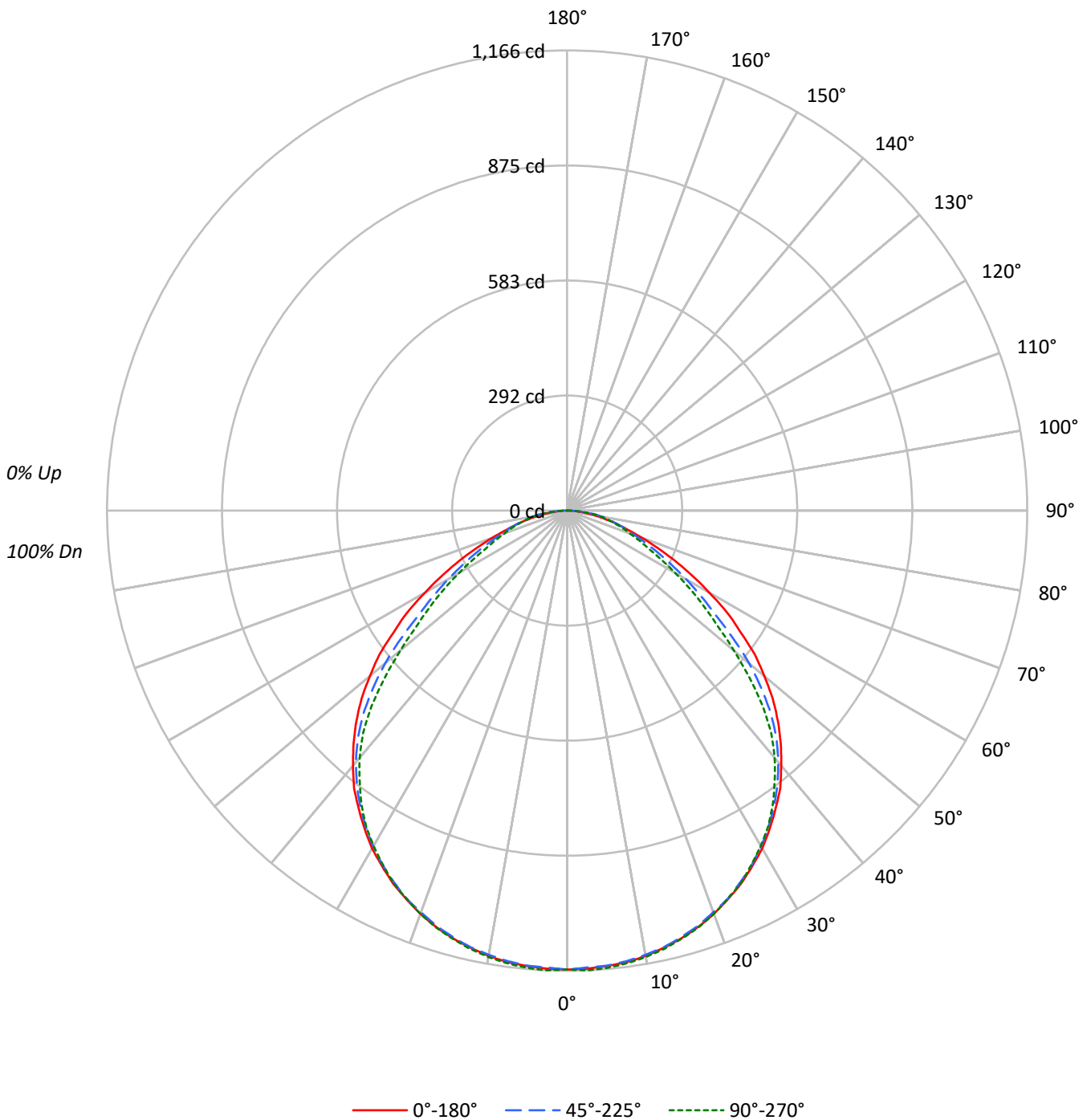
Lumens per Lamp: N/A  
Luminaire Lumens: 2900.0 lumens  
Efficiency: N/A  
Efficacy: 123.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34  
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 23.4  
Input Voltage (V): NR  
Input Current (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	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	93	90	91	89	88					86				
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75					73				
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64					62				
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56					54				
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49					47				
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44					42				
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39					37				
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35					33				
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32					30				
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29					27				

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

	0°	45°	90°
0°	3487	3487	3487
5°	3487	3483	3500
10°	3488	3480	3497
15°	3481	3472	3486
20°	3469	3455	3469
25°	3450	3436	3445
30°	3422	3402	3397
35°	3372	3346	3325
40°	3303	3259	3203
45°	3202	3099	2972
50°	3042	2809	2569
55°	2804	2385	2213
60°	2496	2084	1895
65°	2141	1806	1614
70°	1768	1593	1480
75°	1491	1524	1442
80°	1260	1556	1481
85°	984	1575	1379



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.3	3.8
10°-20°	316.4	10.9
20°-30°	479.3	16.5
30°-40°	571.1	19.7
40°-50°	558.5	19.3
50°-60°	422.4	14.6
60°-70°	259.5	8.9
70°-80°	138.3	4.8
80°-90°	44.1	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°	906.0	31.2
0°-40°	1477.1	50.9
0°-60°	2458.1	84.8
0°-90°	2900.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2900.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1163	1163	1163	1163	1163	
5°	1159	1160	1157	1162	1163	110
15°	1122	1123	1119	1123	1123	317
25°	1043	1041	1039	1040	1041	480
35°	921	920	914	910	908	576
45°	755	751	731	707	701	581
55°	536	509	456	431	423	480
65°	302	278	255	235	228	300
75°	129	130	132	127	124	138
85°	29	37	46	43	40	34
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1163.0	1163.0	1163.0	1163.0	<i>1163.0</i>
2.5°	<i>1161.6</i>	<i>1163.0</i>	<i>1158.7</i>	<i>1164.4</i>	<i>1165.9</i>
5°	1158.7	1160.2	1157.3	1161.6	<i>1163.0</i>
7.5°	1154.4	1154.4	1151.6	1155.9	<i>1157.3</i>
10°	1145.8	1145.8	1143.0	1147.3	<i>1148.7</i>
12.5°	1134.4	1134.4	1133.0	1135.8	<i>1137.3</i>
15°	1121.5	1123.0	1118.7	1123.0	<i>1123.0</i>
17.5°	1105.8	1104.4	1102.9	1105.8	<i>1107.2</i>
20°	1087.2	1087.2	1082.9	1085.8	<i>1087.2</i>
22.5°	1065.7	1065.7	1064.3	1065.7	<i>1064.3</i>
25°	1042.9	1041.4	1038.6	1040.0	<i>1041.4</i>
27.5°	1015.7	1015.7	1012.8	1012.8	<i>1011.4</i>
30°	988.5	987.1	982.8	979.9	<i>981.3</i>
32.5°	955.6	954.2	949.9	947.0	<i>948.4</i>
35°	921.3	919.8	914.1	909.8	<i>908.4</i>
37.5°	886.9	882.6	875.5	869.8	<i>864.0</i>
40°	844.0	839.7	832.6	819.7	<i>818.3</i>
42.5°	801.1	796.8	785.4	769.6	<i>765.3</i>
45°	755.3	751.0	731.0	706.7	<i>701.0</i>
47.5°	706.7	699.5	668.1	638.0	<i>626.6</i>
50°	652.3	639.4	602.2	563.6	<i>550.8</i>
52.5°	599.4	576.5	527.9	493.5	<i>480.7</i>
55°	536.4	509.3	456.3	430.6	<i>423.4</i>
57.5°	480.7	443.5	400.5	374.8	<i>369.1</i>
60°	416.3	381.9	347.6	324.7	<i>316.1</i>
62.5°	357.6	327.6	299.0	279.0	<i>268.9</i>
65°	301.8	277.5	254.6	234.6	<i>227.5</i>
67.5°	247.5	234.6	216.0	200.3	<i>196.0</i>
70°	201.7	194.6	181.7	174.5	<i>168.8</i>
72.5°	160.2	163.1	154.5	151.6	<i>147.3</i>
75°	128.7	130.2	131.6	127.3	<i>124.5</i>
77.5°	97.3	104.4	110.2	107.3	<i>104.4</i>
80°	73.0	80.1	90.1	85.8	<i>85.8</i>
82.5°	50.1	58.7	67.2	64.4	<i>62.9</i>
85°	28.6	37.2	45.8	42.9	<i>40.1</i>
87.5°	11.4	18.6	20.0	20.0	<i>18.6</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)