

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: P738416

Luminaire Tested: **24PT-20-PR1-L835**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738416  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-20-PR1-L835  
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source: -  
Ballast/Driver: -

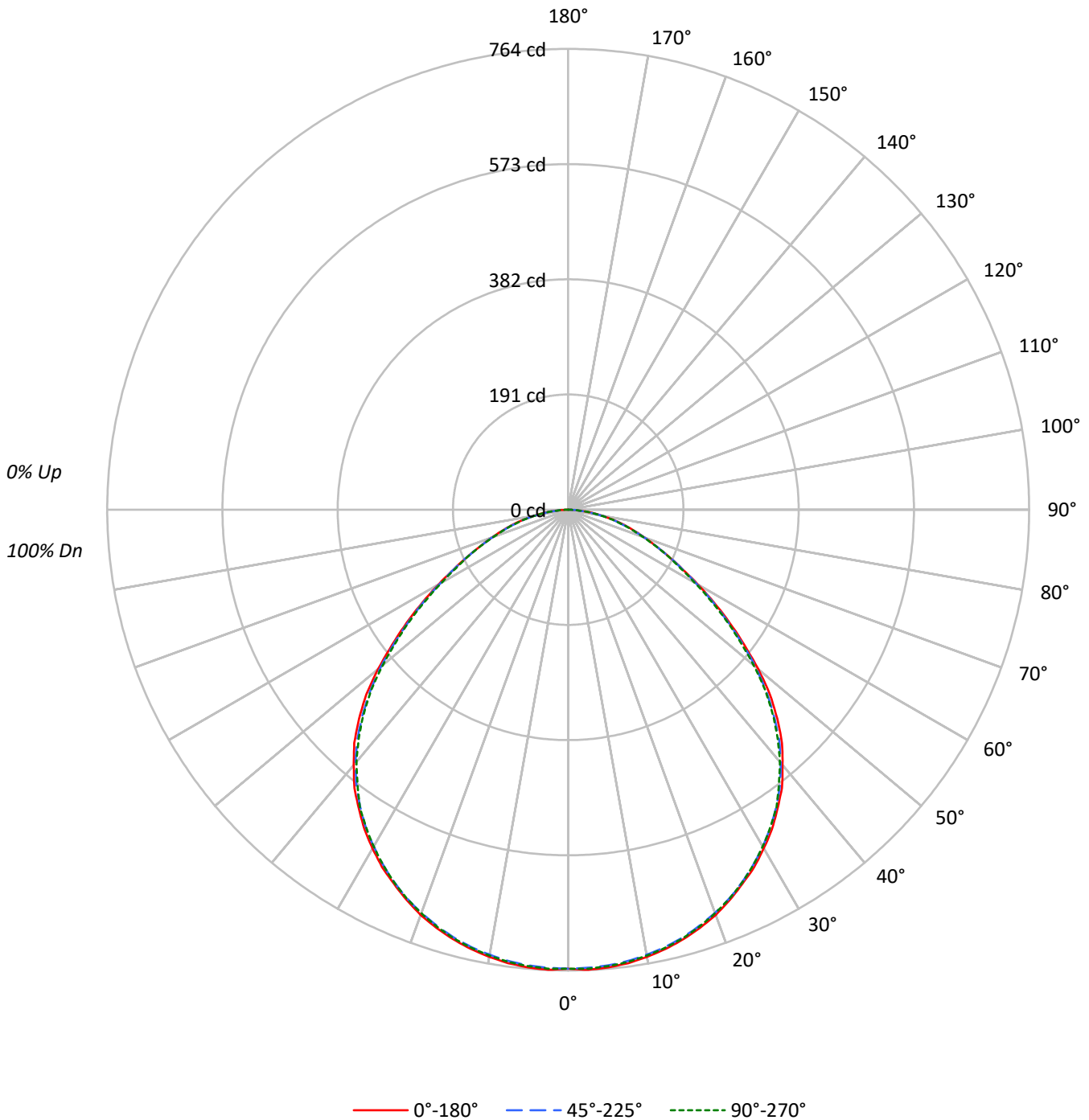
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1938.0 lumens  
Efficiency: N/A  
Efficacy: 128.3 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 15.1  
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	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36
8	62	49	41	35	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	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

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

	0°	45°	90°
0°	1091	1091	1091
5°	1096	1092	1093
10°	1096	1091	1093
15°	1094	1090	1092
20°	1091	1085	1086
25°	1082	1079	1079
30°	1074	1068	1068
35°	1059	1052	1054
40°	1035	1026	1022
45°	993	977	972
50°	917	904	895
55°	816	805	799
60°	711	704	696
65°	624	624	621
70°	561	559	551
75°	522	507	509
80°	467	457	457
85°	360	370	357



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.2	3.7
10°-20°	207.3	10.7
20°-30°	314.3	16.2
30°-40°	375.9	19.4
40°-50°	371.1	19.1
50°-60°	288.9	14.9
60°-70°	183.4	9.5
70°-80°	98.4	5.1
80°-90°	26.7	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°	593.7	30.6
0°-40°	969.6	50.0
0°-60°	1629.5	84.1
0°-90°	1938.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1938.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	761	761	761	761	761	
5°	762	759	758	758	760	72
15°	737	735	734	733	735	208
25°	684	683	682	680	682	315
35°	605	604	601	599	602	378
45°	490	486	482	480	480	376
55°	326	325	322	320	320	292
65°	184	184	184	182	183	184
75°	94	93	92	91	92	100
85°	22	22	22	22	22	27
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	761.0	761.0	761.0	761.0	761.0
2.5°	763.5	761.0	760.1	759.7	761.6
5°	761.6	759.3	758.4	758.0	759.7
7.5°	758.4	755.7	754.8	754.4	756.3
10°	752.7	750.1	749.1	749.1	750.8
12.5°	745.9	743.8	742.7	741.9	743.8
15°	737.2	734.6	734.0	733.1	735.3
17.5°	726.8	724.2	723.4	722.9	724.4
20°	714.9	711.7	711.3	711.0	711.9
22.5°	700.2	698.5	697.7	697.2	697.9
25°	683.9	682.6	681.7	680.5	682.2
27.5°	667.9	666.2	664.1	663.0	664.1
30°	648.4	646.3	644.8	644.3	644.8
32.5°	628.2	626.1	624.2	623.9	623.7
35°	604.8	603.6	601.2	599.3	601.9
37.5°	581.7	578.7	576.6	574.2	573.6
40°	552.8	551.7	548.1	546.0	545.8
42.5°	524.7	519.8	517.3	515.8	513.5
45°	489.9	486.5	482.0	479.7	479.5
47.5°	453.6	449.3	445.1	441.9	442.7
50°	411.1	409.2	405.1	402.4	401.3
52.5°	367.3	366.9	362.6	360.9	359.0
55°	326.5	324.8	321.9	319.7	319.7
57.5°	286.4	284.9	283.4	279.4	279.4
60°	248.1	247.9	245.4	243.0	242.8
62.5°	213.9	215.2	212.9	210.5	209.3
65°	183.8	184.4	184.0	181.6	182.9
67.5°	157.2	157.4	156.6	155.3	156.1
70°	133.8	134.9	133.4	132.6	131.5
72.5°	113.4	113.0	111.7	112.4	110.9
75°	94.3	92.8	91.6	91.4	91.8
77.5°	75.2	74.8	73.7	73.7	73.1
80°	56.5	56.1	55.4	55.7	55.4
82.5°	40.2	39.1	38.2	38.7	38.9
85°	21.9	22.3	22.5	22.5	21.7
87.5°	8.9	8.7	8.9	9.3	9.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)