

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: P738656

Luminaire Tested: **24PT-80-PC3-L835**

Issue Date: 2/8/2024



**Test Information**

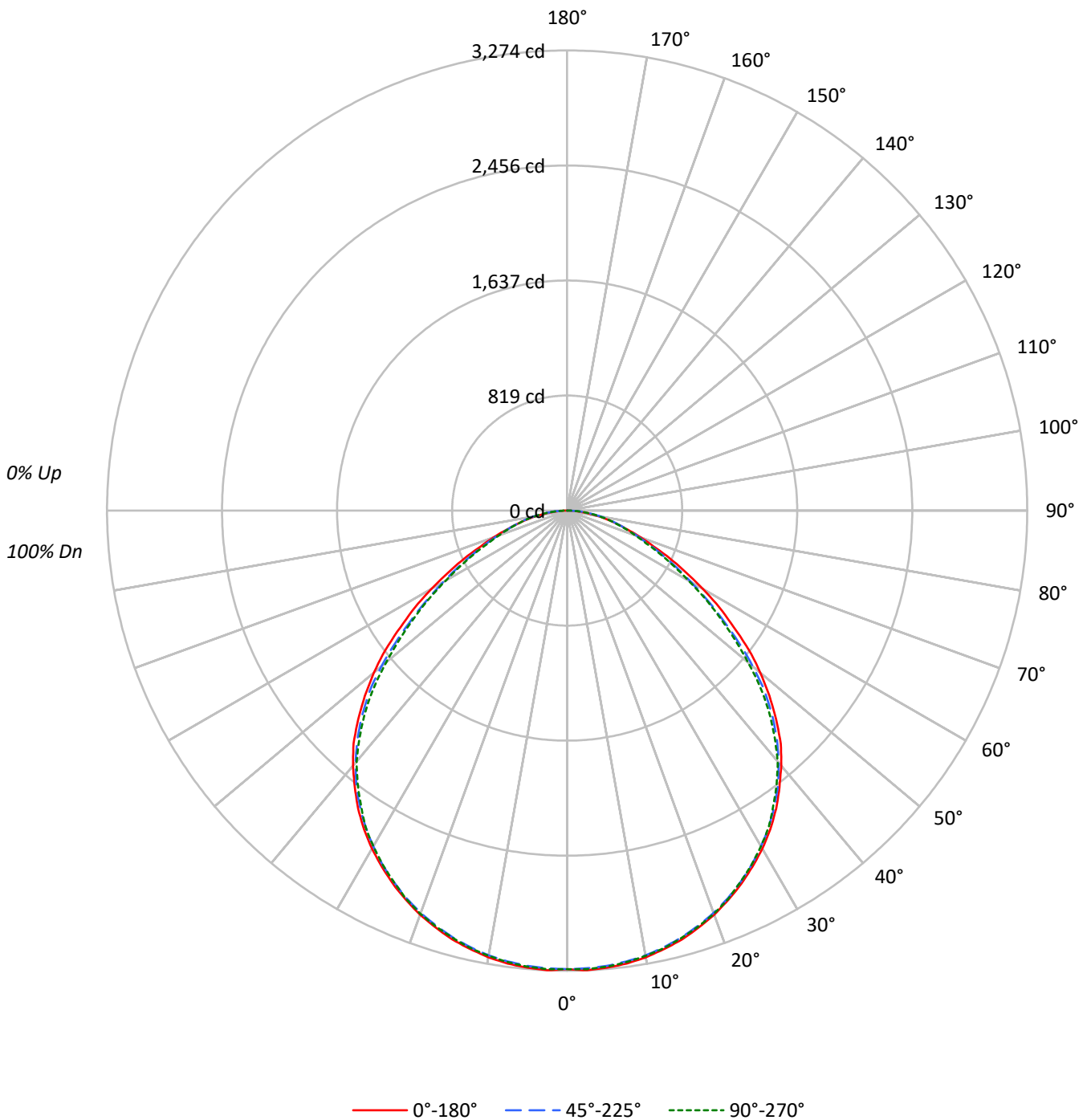
Test Method: LM-79-08  
Report Number: P738656  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-80-PC3-L835  
Description: 8000 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: 8230.0 lumens  
Efficiency: N/A  
Efficacy: 120.5 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): 68.3  
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	92	90	91	89	88	86					86			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73					73			
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62					62			
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47					47			
6	72	59	51	45	70	59	50	44	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°	4678	4678	4678
5°	4699	4679	4688
10°	4699	4678	4684
15°	4688	4667	4672
20°	4670	4647	4657
25°	4638	4614	4613
30°	4598	4568	4566
35°	4536	4500	4479
40°	4435	4382	4361
45°	4263	4184	4125
50°	4003	3849	3747
55°	3619	3373	3310
60°	3200	2919	2862
65°	2736	2529	2465
70°	2318	2219	2155
75°	2033	2068	1997
80°	1822	2010	1897
85°	1538	1838	1747



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	309.4	3.8
10°-20°	888.0	10.8
20°-30°	1345.1	16.3
30°-40°	1606.6	19.5
40°-50°	1584.9	19.3
50°-60°	1226.9	14.9
60°-70°	754.1	9.2
70°-80°	395.2	4.8
80°-90°	119.8	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°	2542.5	30.9
0°-40°	4149.1	50.4
0°-60°	6960.9	84.6
0°-90°	8230.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8230.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3263	3263	3263	3263	3263	
5°	3264	3254	3251	3249	3257	310
15°	3158	3148	3144	3141	3147	891
25°	2931	2922	2917	2915	2916	1350
35°	2592	2580	2571	2563	2559	1618
45°	2102	2087	2063	2041	2034	1617
55°	1448	1408	1349	1329	1324	1299
65°	806	769	746	724	726	804
75°	367	370	373	366	360	395
85°	94	104	112	109	106	109
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3262.7	3262.7	3262.7	3262.7	3262.7
2.5°	3273.6	3263.6	3259.1	3258.2	3265.4
5°	3264.5	3254.5	3250.9	3249.1	3257.3
7.5°	3250.0	3239.1	3235.5	3232.7	3240.0
10°	3227.3	3216.4	3212.8	3211.0	3217.3
12.5°	3194.6	3184.6	3181.9	3179.2	3187.3
15°	3158.3	3148.3	3143.8	3141.0	3147.4
17.5°	3111.1	3102.9	3097.4	3097.4	3102.9
20°	3060.2	3050.2	3045.7	3043.0	3052.0
22.5°	2997.6	2991.2	2985.7	2981.2	2991.2
25°	2931.3	2922.2	2916.7	2914.9	2915.8
27.5°	2855.9	2849.5	2842.3	2839.5	2841.4
30°	2776.9	2768.7	2758.7	2753.3	2757.8
32.5°	2688.8	2677.0	2668.8	2663.4	2669.7
35°	2591.6	2579.8	2570.8	2562.6	2559.0
37.5°	2480.9	2477.2	2464.5	2450.0	2449.1
40°	2369.2	2359.2	2341.0	2334.7	2330.1
42.5°	2249.3	2228.4	2209.3	2191.2	2184.8
45°	2102.2	2086.8	2063.1	2041.4	2034.1
47.5°	1951.5	1931.5	1908.8	1870.6	1866.1
50°	1794.4	1765.3	1725.3	1693.6	1679.9
52.5°	1630.9	1591.9	1536.5	1509.2	1502.0
55°	1447.5	1408.4	1349.4	1329.4	1324.0
57.5°	1284.0	1226.8	1178.7	1156.0	1163.2
60°	1116.0	1060.6	1018.0	996.2	998.0
62.5°	951.7	908.1	876.3	855.4	858.1
65°	806.4	769.1	745.5	723.7	726.5
67.5°	663.8	646.5	629.3	616.6	609.3
70°	553.0	545.8	529.4	517.6	514.0
72.5°	452.2	456.8	443.1	439.5	438.6
75°	366.9	370.5	373.2	366.0	360.5
77.5°	293.3	298.8	309.7	299.7	297.8
80°	220.7	231.6	243.4	237.0	229.7
82.5°	154.4	168.0	178.9	170.7	167.1
85°	93.5	104.4	111.7	109.0	106.2
87.5°	41.8	45.4	49.0	49.9	48.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)