

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: P738704

Luminaire Tested: **24PT-90-PR1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738704
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-90-PR1-L835
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

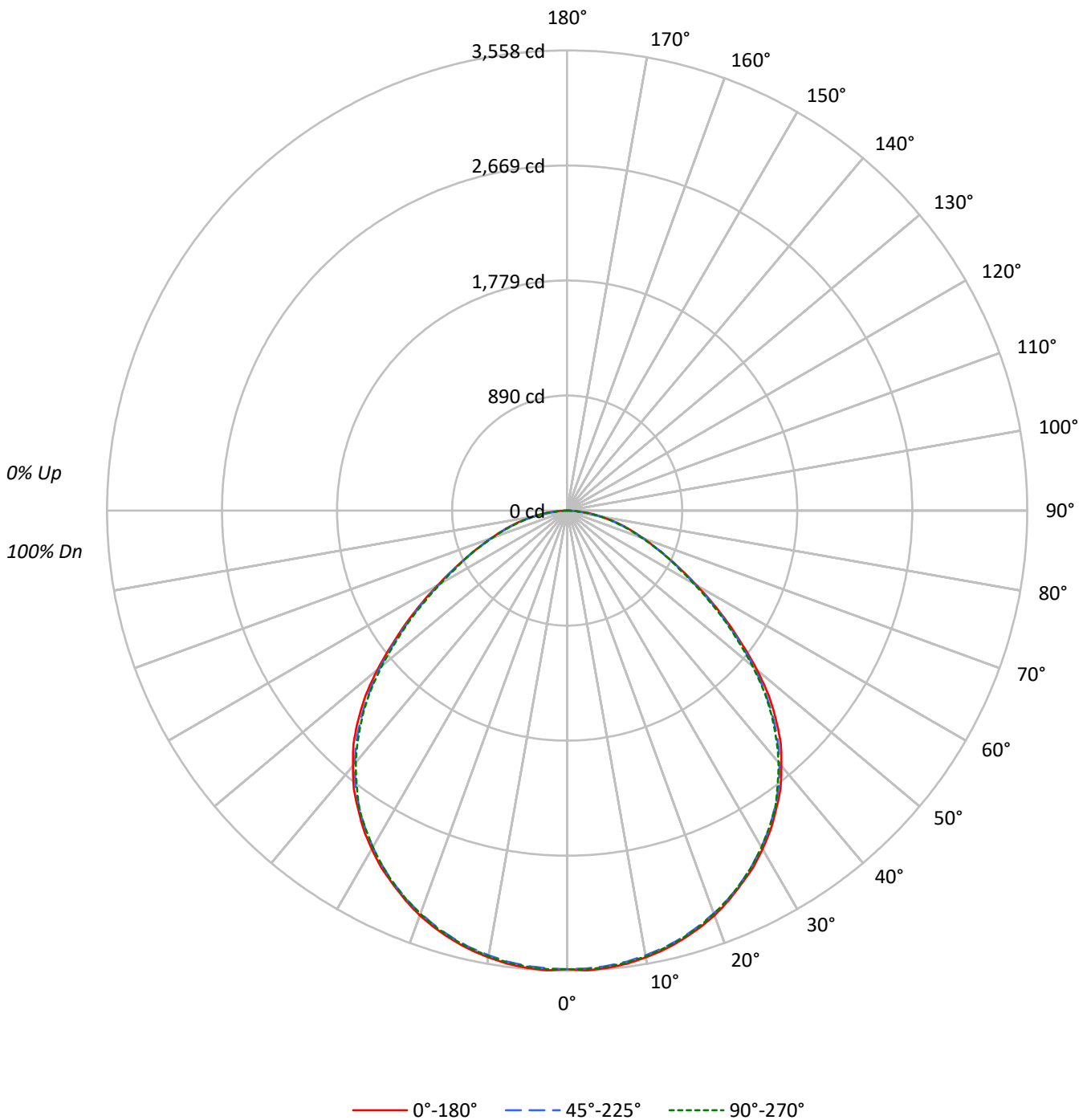
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9032.0 lumens
Efficiency: N/A
Efficacy: 119.3 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): 75.7
Input Voltage (V): NR
Input Current (A_{in}): 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				
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°	5085	5085	5085
5°	5109	5087	5096
10°	5107	5083	5094
15°	5100	5078	5087
20°	5084	5058	5063
25°	5042	5027	5030
30°	5003	4975	4975
35°	4934	4905	4910
40°	4822	4781	4761
45°	4630	4555	4531
50°	4274	4212	4172
55°	3804	3750	3725
60°	3316	3279	3245
65°	2906	2909	2892
70°	2615	2607	2569
75°	2435	2364	2369
80°	2175	2134	2134
85°	1678	1726	1662



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.3	3.7
10°-20°	966.0	10.7
20°-30°	1464.6	16.2
30°-40°	1751.7	19.4
40°-50°	1729.5	19.1
50°-60°	1346.2	14.9
60°-70°	854.6	9.5
70°-80°	458.6	5.1
80°-90°	124.4	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°	2767.0	30.6
0°-40°	4518.7	50.0
0°-60°	7594.4	84.1
0°-90°	9032.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9032.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3546	3546	3546	3546	3546	
5°	3550	3539	3535	3533	3540	338
15°	3436	3424	3421	3417	3427	970
25°	3187	3181	3177	3171	3179	1470
35°	2819	2813	2802	2793	2805	1762
45°	2283	2267	2246	2236	2235	1753
55°	1522	1514	1500	1490	1490	1363
65°	856	859	857	846	852	859
75°	440	433	427	426	428	465
85°	102	104	105	105	101	126
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3546.5	3546.5	3546.5	3546.5	3546.5
2.5°	3558.4	3546.5	3542.5	3540.5	3549.5
5°	3549.5	3538.6	3534.6	3532.6	3540.5
7.5°	3534.6	3521.7	3517.8	3515.8	3524.7
10°	3507.9	3496.0	3491.0	3491.0	3499.0
12.5°	3476.2	3466.3	3461.3	3457.4	3466.3
15°	3435.6	3423.7	3420.7	3416.8	3426.7
17.5°	3387.1	3375.2	3371.2	3369.3	3376.2
20°	3331.6	3316.8	3314.8	3313.8	3317.8
22.5°	3263.3	3255.4	3251.4	3249.5	3252.4
25°	3187.1	3181.1	3177.2	3171.2	3179.2
27.5°	3112.8	3104.9	3095.0	3090.1	3095.0
30°	3021.7	3011.8	3004.9	3002.9	3004.9
32.5°	2927.7	2917.8	2908.9	2907.9	2906.9
35°	2818.8	2812.8	2801.9	2793.0	2804.9
37.5°	2710.9	2697.0	2687.1	2676.2	2673.2
40°	2576.2	2571.3	2554.4	2544.5	2543.5
42.5°	2445.5	2422.7	2410.9	2403.9	2393.0
45°	2283.1	2267.3	2246.5	2235.6	2234.6
47.5°	2113.8	2094.0	2074.2	2059.4	2063.3
50°	1915.8	1906.9	1888.1	1875.2	1870.3
52.5°	1711.9	1709.9	1690.1	1682.2	1673.2
55°	1521.8	1513.8	1500.0	1490.1	1490.1
57.5°	1334.6	1327.7	1320.8	1302.0	1302.0
60°	1156.4	1155.4	1143.5	1132.7	1131.7
62.5°	997.0	1003.0	992.1	981.2	975.2
65°	856.4	859.4	857.4	846.5	852.5
67.5°	732.7	733.7	729.7	723.8	727.7
70°	623.8	628.7	621.8	617.8	612.9
72.5°	528.7	526.7	520.8	523.8	516.8
75°	439.6	432.7	426.7	425.7	427.7
77.5°	350.5	348.5	343.6	343.6	340.6
80°	263.4	261.4	258.4	259.4	258.4
82.5°	187.1	182.2	178.2	180.2	181.2
85°	102.0	104.0	104.9	104.9	101.0
87.5°	41.6	40.6	41.6	43.6	44.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)