

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: P738387

Luminaire Tested: **24PT-100-PR1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738387
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-100-PR1-L930
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

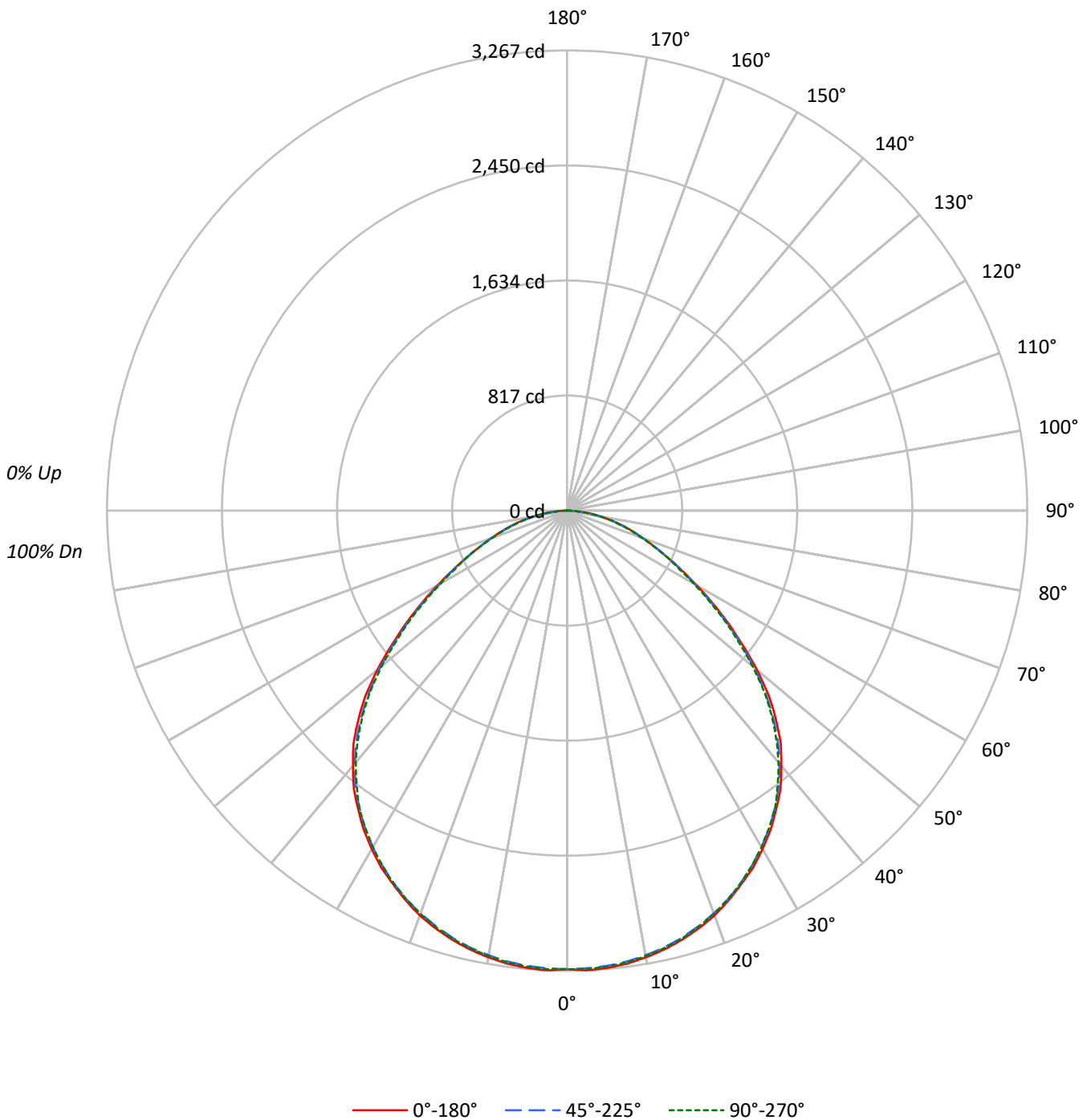
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8292.0 lumens
Efficiency: N/A
Efficacy: 97.1 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): 85.4
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	89	80	73	67	77	71	66	75	70	65	72	68	64	62					62			
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53					53			
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47					47			
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41					41			
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36					36			
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	42	36	31	41	36	31	29					29			
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4669	4669	4669
5°	4690	4671	4679
10°	4689	4666	4677
15°	4682	4662	4670
20°	4667	4644	4648
25°	4629	4615	4618
30°	4593	4568	4568
35°	4530	4503	4508
40°	4427	4389	4371
45°	4250	4182	4160
50°	3924	3867	3830
55°	3493	3443	3420
60°	3045	3011	2980
65°	2668	2671	2655
70°	2401	2393	2359
75°	2236	2171	2176
80°	1997	1959	1959
85°	1540	1586	1525



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.8	3.7
10°-20°	886.9	10.7
20°-30°	1344.6	16.2
30°-40°	1608.2	19.4
40°-50°	1587.8	19.1
50°-60°	1235.9	14.9
60°-70°	784.6	9.5
70°-80°	421.1	5.1
80°-90°	114.2	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°	2540.3	30.6
0°-40°	4148.4	50.0
0°-60°	6972.2	84.1
0°-90°	8292.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8292.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3256	3256	3256	3256	3256	
5°	3259	3249	3245	3243	3250	310
15°	3154	3143	3140	3137	3146	890
25°	2926	2920	2917	2911	2919	1350
35°	2588	2582	2572	2564	2575	1618
45°	2096	2082	2062	2052	2052	1609
55°	1397	1390	1377	1368	1368	1251
65°	786	789	787	777	783	789
75°	404	397	392	391	393	427
85°	94	95	96	96	93	115
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3255.9	3255.9	3255.9	3255.9	3255.9
2.5°	3266.8	3255.9	3252.3	3250.5	3258.6
5°	3258.6	3248.7	3245.0	3243.2	3250.5
7.5°	3245.0	3233.2	3229.6	3227.7	3235.9
10°	3220.5	3209.6	3205.0	3205.0	3212.3
12.5°	3191.4	3182.3	3177.8	3174.1	3182.3
15°	3154.1	3143.2	3140.5	3136.8	3145.9
17.5°	3109.6	3098.7	3095.0	3093.2	3099.6
20°	3058.7	3045.0	3043.2	3042.3	3046.0
22.5°	2996.0	2988.7	2985.1	2983.2	2986.0
25°	2926.0	2920.5	2916.9	2911.4	2918.7
27.5°	2857.8	2850.5	2841.4	2836.9	2841.4
30°	2774.2	2765.1	2758.7	2756.9	2758.7
32.5°	2687.8	2678.7	2670.5	2669.6	2668.7
35°	2587.8	2582.4	2572.4	2564.2	2575.1
37.5°	2488.8	2476.0	2466.9	2456.9	2454.2
40°	2365.1	2360.6	2345.1	2336.0	2335.1
42.5°	2245.2	2224.2	2213.3	2207.0	2197.0
45°	2096.1	2081.5	2062.4	2052.4	2051.5
47.5°	1940.6	1922.5	1904.3	1890.7	1894.3
50°	1758.9	1750.7	1733.4	1721.6	1717.0
52.5°	1571.6	1569.8	1551.6	1544.3	1536.2
55°	1397.1	1389.8	1377.1	1368.0	1368.0
57.5°	1225.3	1218.9	1212.6	1195.3	1195.3
60°	1061.7	1060.8	1049.9	1039.9	1039.0
62.5°	915.3	920.8	910.8	900.8	895.3
65°	786.3	789.0	787.2	777.2	782.6
67.5°	672.6	673.5	669.9	664.5	668.1
70°	572.6	577.2	570.8	567.2	562.7
72.5°	485.4	483.6	478.1	480.8	474.5
75°	403.6	397.2	391.8	390.9	392.7
77.5°	321.8	320.0	315.4	315.4	312.7
80°	241.8	240.0	237.2	238.1	237.2
82.5°	171.8	167.3	163.6	165.4	166.3
85°	93.6	95.4	96.4	96.4	92.7
87.5°	38.2	37.3	38.2	40.0	40.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)