

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: P738632

Luminaire Tested: **24PT-72-PL1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738632
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-72-PL1-L835
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

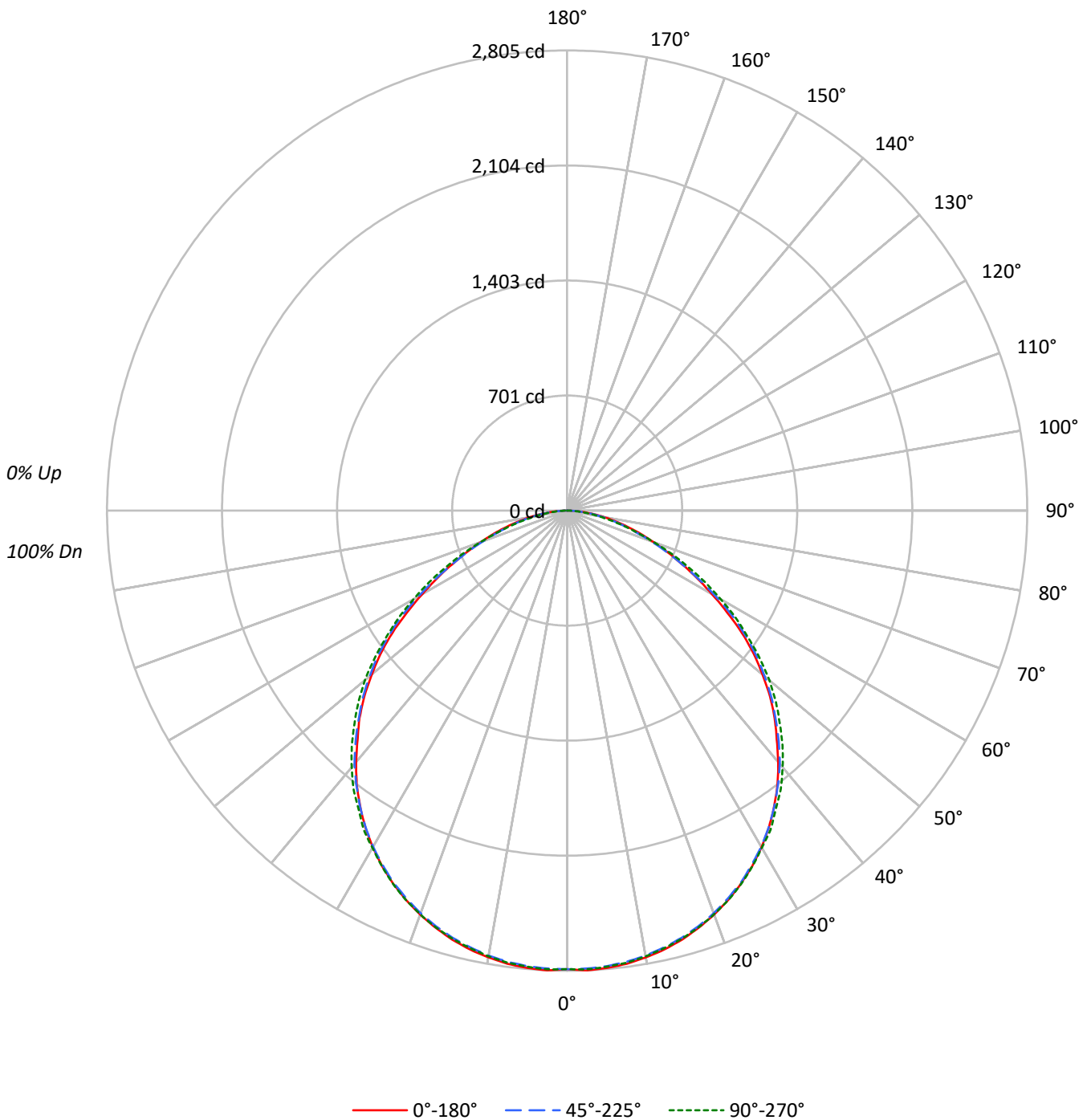
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7400.0 lumens
Efficiency: N/A
Efficacy: 123.1 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): 60.1
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49		60	53	48		58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	29
10	54	41	33	28	53	40	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4009	4009	4009
5°	4029	4011	4017
10°	4026	4010	4017
15°	4019	4002	4011
20°	3999	3986	3996
25°	3969	3960	3973
30°	3922	3917	3930
35°	3851	3853	3882
40°	3745	3774	3825
45°	3629	3645	3717
50°	3467	3506	3591
55°	3254	3315	3365
60°	2922	2994	3104
65°	2614	2620	2762
70°	2331	2267	2348
75°	2106	1981	1946
80°	1871	1745	1539
85°	1533	1454	1203



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.2	3.6
10°-20°	761.4	10.3
20°-30°	1153.6	15.6
30°-40°	1378.6	18.6
40°-50°	1390.7	18.8
50°-60°	1179.9	15.9
60°-70°	780.7	10.5
70°-80°	387.4	5.2
80°-90°	102.5	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°	2180.2	29.5
0°-40°	3558.9	48.1
0°-60°	6129.4	82.8
0°-90°	7400.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7400.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2796	2796	2796	2796	2796	
5°	2799	2789	2787	2785	2791	266
15°	2707	2698	2696	2696	2702	764
25°	2509	2503	2503	2502	2511	1155
35°	2200	2197	2201	2213	2218	1375
45°	1790	1787	1798	1822	1833	1377
55°	1302	1305	1326	1338	1346	1158
65°	771	769	772	796	814	769
75°	380	370	358	346	351	407
85°	93	93	88	81	73	111
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2795.7	2795.7	2795.7	2795.7	2795.7
2.5°	2805.3	2796.5	2794.1	2792.5	2798.9
5°	2798.9	2789.3	2786.8	2785.2	2790.9
7.5°	2786.0	2775.6	2774.0	2772.4	2779.6
10°	2765.2	2755.5	2753.9	2752.3	2758.7
12.5°	2740.2	2730.6	2727.4	2728.2	2732.2
15°	2707.3	2698.5	2696.0	2696.0	2701.7
17.5°	2666.3	2658.3	2656.7	2655.9	2663.1
20°	2620.5	2612.5	2612.5	2614.9	2618.9
22.5°	2568.3	2562.6	2559.4	2561.0	2569.1
25°	2508.8	2503.2	2503.2	2502.4	2511.2
27.5°	2442.9	2435.7	2435.7	2442.1	2445.3
30°	2369.0	2362.6	2365.8	2370.6	2373.8
32.5°	2289.4	2285.4	2287.8	2295.1	2307.9
35°	2200.2	2197.0	2201.0	2213.1	2217.9
37.5°	2107.0	2104.6	2110.2	2126.3	2140.0
40°	2000.9	2000.9	2016.2	2030.7	2043.5
42.5°	1890.8	1898.1	1909.3	1931.8	1943.1
45°	1789.6	1787.2	1797.6	1821.7	1833.0
47.5°	1677.1	1674.7	1689.9	1706.8	1725.3
50°	1554.1	1553.3	1571.8	1586.3	1609.6
52.5°	1434.4	1441.6	1453.7	1466.6	1480.2
55°	1301.8	1305.0	1325.9	1338.0	1346.0
57.5°	1158.8	1169.2	1194.9	1212.6	1219.8
60°	1019.0	1025.4	1043.9	1075.2	1082.4
62.5°	892.0	894.4	905.6	941.0	950.6
65°	770.6	769.0	772.2	796.4	814.0
67.5°	660.6	654.1	654.1	667.0	688.7
70°	556.1	546.4	540.8	544.8	560.1
72.5°	468.5	455.6	441.2	438.8	448.4
75°	380.1	369.7	357.6	346.3	351.2
77.5°	303.0	294.1	282.9	270.0	263.6
80°	226.6	223.4	211.3	199.3	186.4
82.5°	158.3	155.9	147.9	138.2	130.2
85°	93.2	93.2	88.4	81.2	73.1
87.5°	41.8	40.2	41.8	35.4	32.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)