

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: P738644

Luminaire Tested: **24PT-72-PR1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738644
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-72-PR1-L935
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

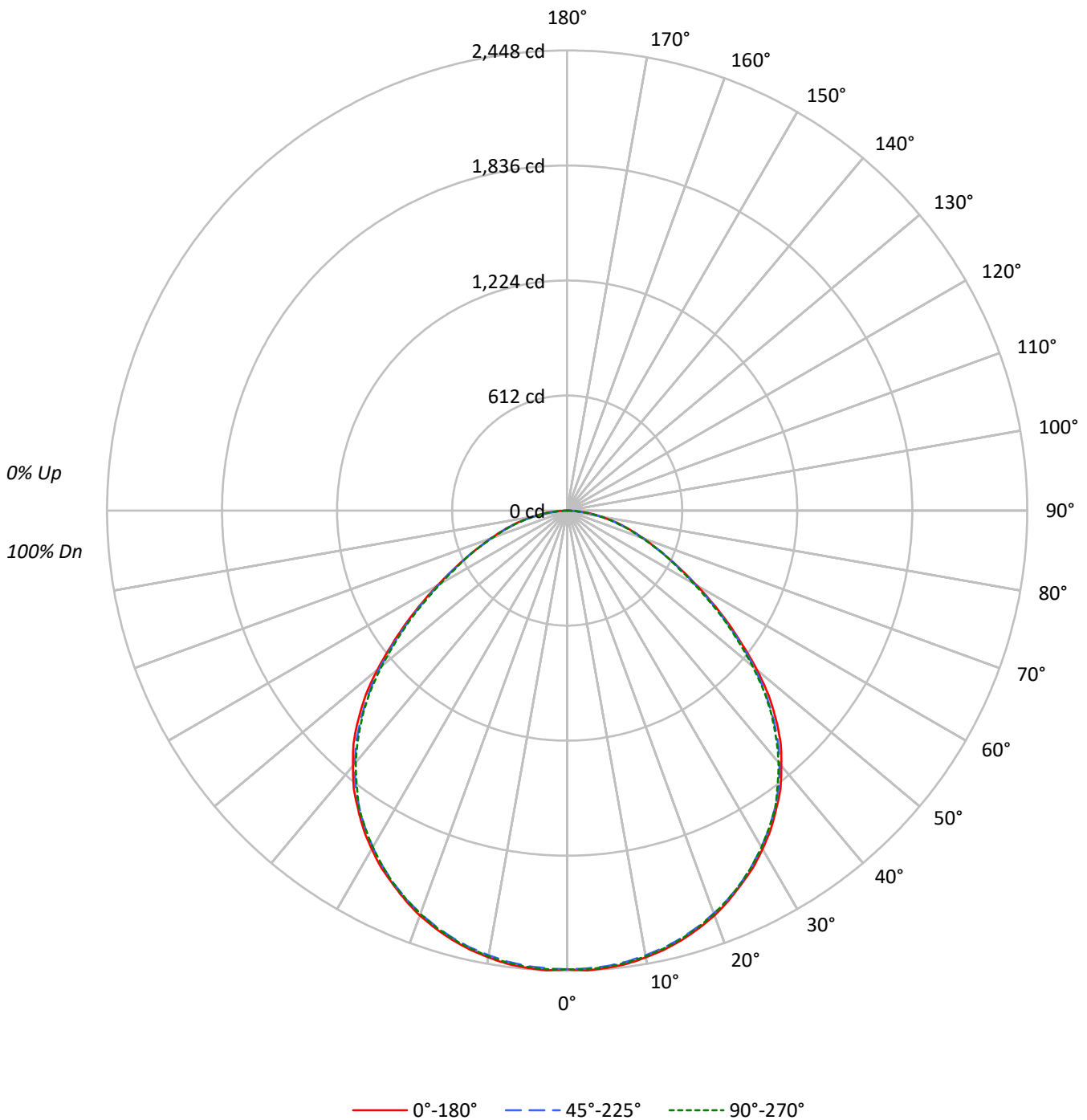
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6215.0 lumens
Efficiency: N/A
Efficacy: 103.4 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

TEST NUMBER: P738644
CATALOG NUMBER: 24PT-72-PR1-L935

Luminous Intensity Polar Plot





TEST NUMBER: P738644

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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°	3499	3499	3499
5°	3515	3501	3507
10°	3514	3498	3506
15°	3509	3494	3500
20°	3498	3481	3484
25°	3470	3459	3461
30°	3443	3423	3423
35°	3395	3375	3378
40°	3318	3290	3276
45°	3186	3135	3118
50°	2941	2898	2871
55°	2618	2580	2563
60°	2282	2257	2233
65°	1999	2002	1990
70°	1799	1793	1768
75°	1676	1627	1630
80°	1496	1468	1468
85°	1155	1188	1143



TEST NUMBER: P738644

CATALOG NUMBER: 24PT-72-PR1-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.4	3.7
10°-20°	664.7	10.7
20°-30°	1007.8	16.2
30°-40°	1205.4	19.4
40°-50°	1190.1	19.1
50°-60°	926.3	14.9
60°-70°	588.1	9.5
70°-80°	315.6	5.1
80°-90°	85.6	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°	1904.0	30.6
0°-40°	3109.3	50.0
0°-60°	5225.8	84.1
0°-90°	6215.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6215.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2440	2440	2440	2440	2440	
5°	2442	2435	2432	2431	2436	232
15°	2364	2356	2354	2351	2358	667
25°	2193	2189	2186	2182	2188	1012
35°	1940	1936	1928	1922	1930	1213
45°	1571	1560	1546	1538	1538	1206
55°	1047	1042	1032	1025	1025	938
65°	589	591	590	582	587	591
75°	302	298	294	293	294	320
85°	70	72	72	72	70	87
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2440.4	2440.4	2440.4	2440.4	2440.4
2.5°	2448.5	2440.4	2437.6	2436.3	2442.4
5°	2442.4	2434.9	2432.2	2430.8	2436.3
7.5°	2432.2	2423.3	2420.6	2419.3	2425.4
10°	2413.8	2405.6	2402.2	2402.2	2407.7
12.5°	2392.0	2385.2	2381.8	2379.1	2385.2
15°	2364.1	2355.9	2353.8	2351.1	2357.9
17.5°	2330.7	2322.5	2319.8	2318.4	2323.2
20°	2292.5	2282.3	2281.0	2280.3	2283.0
22.5°	2245.5	2240.1	2237.3	2236.0	2238.0
25°	2193.1	2189.0	2186.3	2182.2	2187.6
27.5°	2142.0	2136.5	2129.7	2126.3	2129.7
30°	2079.3	2072.5	2067.7	2066.3	2067.7
32.5°	2014.6	2007.8	2001.6	2000.9	2000.3
35°	1939.6	1935.5	1928.0	1921.9	1930.1
37.5°	1865.4	1855.8	1849.0	1841.5	1839.5
40°	1772.7	1769.3	1757.7	1750.9	1750.2
42.5°	1682.8	1667.1	1658.9	1654.2	1646.7
45°	1571.0	1560.1	1545.8	1538.3	1537.7
47.5°	1454.5	1440.9	1427.3	1417.1	1419.8
50°	1318.3	1312.2	1299.2	1290.4	1287.0
52.5°	1177.9	1176.6	1163.0	1157.5	1151.4
55°	1047.1	1041.7	1032.2	1025.3	1025.3
57.5°	918.4	913.6	908.8	895.9	895.9
60°	795.7	795.1	786.9	779.4	778.7
62.5°	686.1	690.1	682.6	675.2	671.1
65°	589.3	591.4	590.0	582.5	586.6
67.5°	504.2	504.8	502.1	498.0	500.7
70°	429.2	432.6	427.8	425.1	421.7
72.5°	363.8	362.4	358.4	360.4	355.6
75°	302.5	297.7	293.6	293.0	294.3
77.5°	241.2	239.8	236.4	236.4	234.4
80°	181.2	179.9	177.8	178.5	177.8
82.5°	128.8	125.4	122.6	124.0	124.7
85°	70.2	71.5	72.2	72.2	69.5
87.5°	28.6	27.9	28.6	30.0	30.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)