

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: P738643

Luminaire Tested: **24PT-72-PR1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738643
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-L930
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

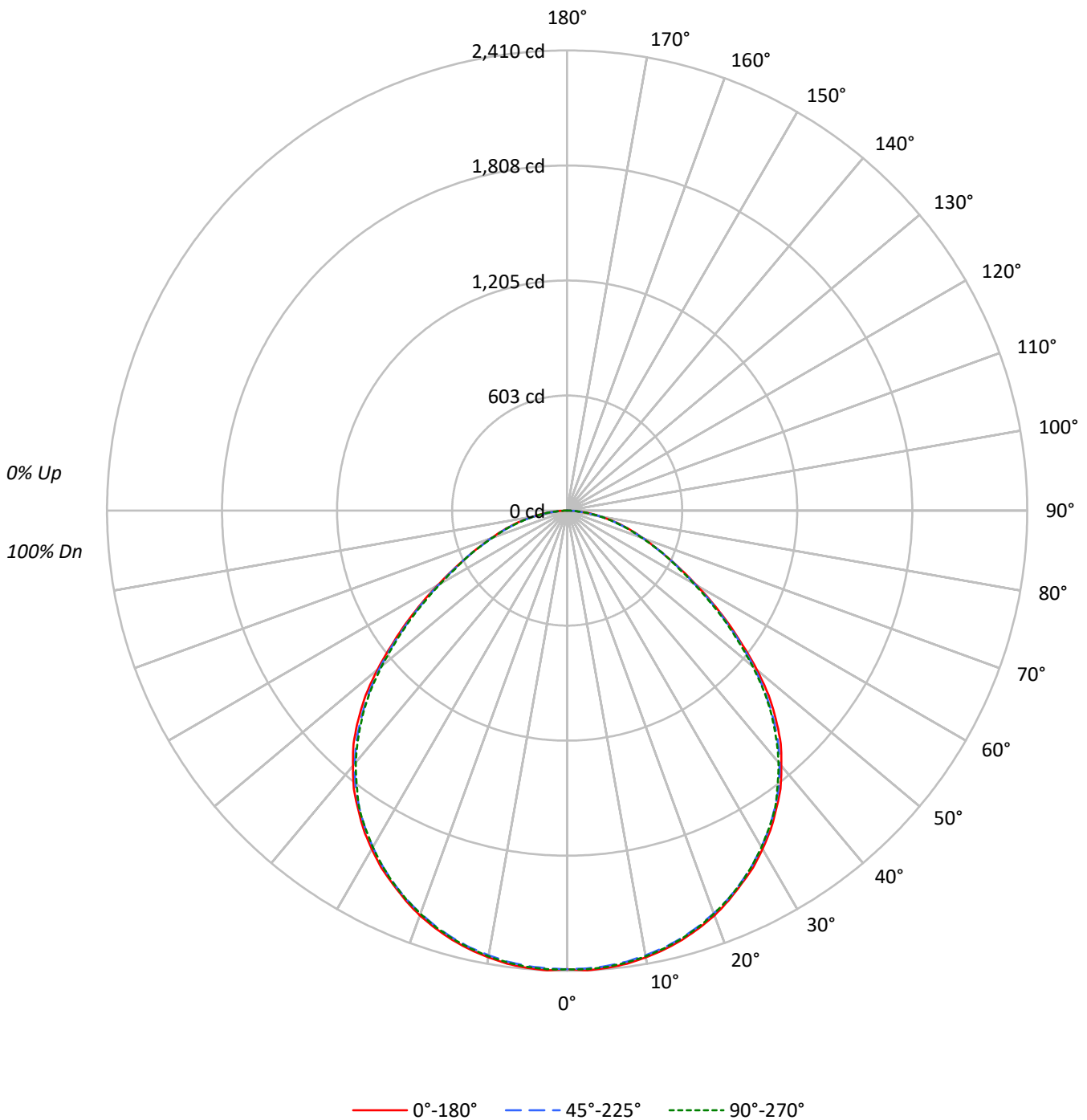
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6118.0 lumens
Efficiency: N/A
Efficacy: 101.8 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 (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	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°	3445	3445	3445
5°	3461	3446	3452
10°	3460	3443	3451
15°	3455	3440	3446
20°	3444	3426	3429
25°	3415	3405	3407
30°	3389	3370	3370
35°	3342	3322	3326
40°	3266	3239	3225
45°	3136	3086	3069
50°	2895	2853	2826
55°	2577	2540	2523
60°	2246	2221	2198
65°	1968	1971	1959
70°	1771	1766	1740
75°	1650	1602	1605
80°	1473	1445	1445
85°	1137	1170	1125



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.8	3.7
10°-20°	654.4	10.7
20°-30°	992.1	16.2
30°-40°	1186.6	19.4
40°-50°	1171.5	19.1
50°-60°	911.9	14.9
60°-70°	578.9	9.5
70°-80°	310.7	5.1
80°-90°	84.2	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°	1874.3	30.6
0°-40°	3060.8	50.0
0°-60°	5144.2	84.1
0°-90°	6118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6118.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2402	2402	2402	2402	2402	
5°	2404	2397	2394	2393	2398	229
15°	2327	2319	2317	2314	2321	657
25°	2159	2155	2152	2148	2154	996
35°	1909	1905	1898	1892	1900	1194
45°	1546	1536	1522	1514	1514	1187
55°	1031	1025	1016	1009	1009	923
65°	580	582	581	573	577	582
75°	298	293	289	288	290	315
85°	69	70	71	71	68	85
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2402.3	2402.3	2402.3	2402.3	2402.3
2.5°	2410.3	2402.3	2399.6	2398.3	2404.3
5°	2404.3	2396.9	2394.2	2392.9	2398.3
7.5°	2394.2	2385.5	2382.8	2381.5	2387.5
10°	2376.1	2368.1	2364.7	2364.7	2370.1
12.5°	2354.7	2348.0	2344.6	2341.9	2348.0
15°	2327.2	2319.1	2317.1	2314.4	2321.1
17.5°	2294.3	2286.3	2283.6	2282.2	2286.9
20°	2256.8	2246.7	2245.4	2244.7	2247.4
22.5°	2210.5	2205.1	2202.4	2201.1	2203.1
25°	2158.8	2154.8	2152.1	2148.1	2153.5
27.5°	2108.5	2103.2	2096.5	2093.1	2096.5
30°	2046.8	2040.1	2035.4	2034.1	2035.4
32.5°	1983.1	1976.4	1970.4	1969.7	1969.0
35°	1909.4	1905.3	1898.0	1891.9	1900.0
37.5°	1836.3	1826.9	1820.2	1812.8	1810.8
40°	1745.0	1741.7	1730.3	1723.6	1722.9
42.5°	1656.5	1641.1	1633.0	1628.3	1621.0
45°	1546.5	1535.8	1521.7	1514.3	1513.7
47.5°	1431.8	1418.4	1405.0	1395.0	1397.6
50°	1297.7	1291.7	1278.9	1270.2	1266.9
52.5°	1159.6	1158.2	1144.8	1139.4	1133.4
55°	1030.8	1025.4	1016.0	1009.3	1009.3
57.5°	904.0	899.3	894.7	881.9	881.9
60°	783.3	782.7	774.6	767.2	766.6
62.5°	675.3	679.4	672.0	664.6	660.6
65°	580.1	582.1	580.8	573.4	577.4
67.5°	496.3	497.0	494.3	490.2	492.9
70°	422.5	425.9	421.2	418.5	415.1
72.5°	358.1	356.8	352.8	354.8	350.1
75°	297.8	293.1	289.1	288.4	289.7
77.5°	237.4	236.1	232.7	232.7	230.7
80°	178.4	177.1	175.0	175.7	175.0
82.5°	126.8	123.4	120.7	122.1	122.7
85°	69.1	70.4	71.1	71.1	68.4
87.5°	28.2	27.5	28.2	29.5	30.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)