

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: P738607

Luminaire Tested: **24PT-60-PR1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738607
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-60-PR1-L830
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

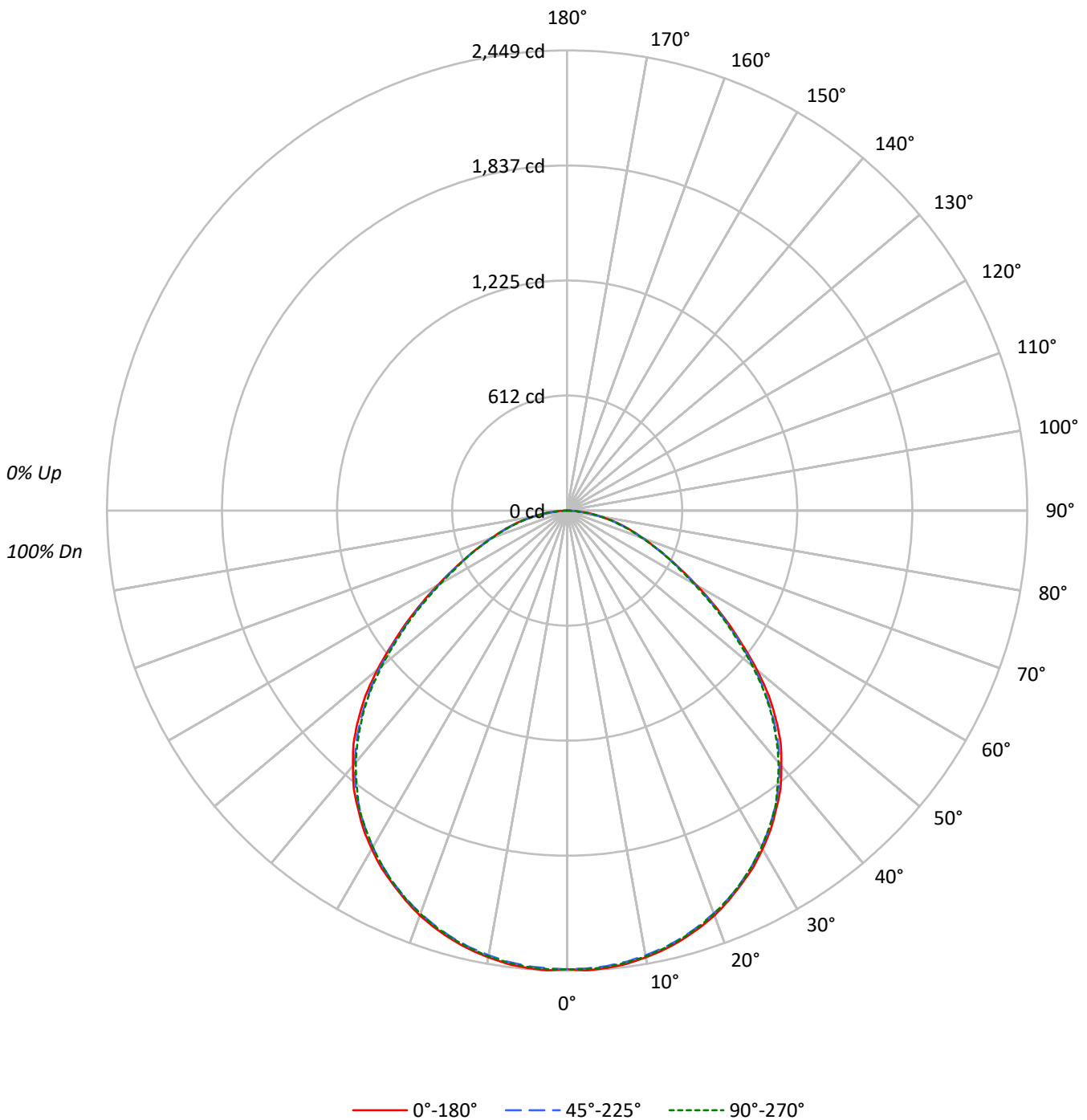
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6217.0 lumens
Efficiency: N/A
Efficacy: 122.6 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): 50.7
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	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°	3500	3500	3500
5°	3517	3502	3508
10°	3516	3499	3507
15°	3510	3495	3501
20°	3499	3482	3485
25°	3471	3460	3462
30°	3444	3425	3425
35°	3396	3376	3380
40°	3319	3291	3277
45°	3187	3136	3119
50°	2942	2899	2872
55°	2619	2581	2564
60°	2283	2257	2234
65°	2000	2002	1991
70°	1800	1794	1769
75°	1676	1627	1631
80°	1497	1469	1469
85°	1155	1188	1143



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.5	3.7
10°-20°	664.9	10.7
20°-30°	1008.1	16.2
30°-40°	1205.7	19.4
40°-50°	1190.5	19.1
50°-60°	926.6	14.9
60°-70°	588.3	9.5
70°-80°	315.7	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°	1904.6	30.6
0°-40°	3110.3	50.0
0°-60°	5227.5	84.1
0°-90°	6217.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6217.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2441	2441	2441	2441	2441	
5°	2443	2436	2433	2432	2437	232
15°	2365	2357	2355	2352	2359	667
25°	2194	2190	2187	2183	2188	1012
35°	1940	1936	1929	1922	1931	1213
45°	1572	1561	1546	1539	1538	1206
55°	1048	1042	1032	1026	1026	938
65°	590	592	590	583	587	591
75°	303	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°	2441.2	2441.2	2441.2	2441.2	2441.2
2.5°	2449.3	2441.2	2438.4	2437.1	2443.2
5°	2443.2	2435.7	2433.0	2431.6	2437.1
7.5°	2433.0	2424.1	2421.4	2420.0	2426.2
10°	2414.6	2406.4	2403.0	2403.0	2408.4
12.5°	2392.8	2386.0	2382.5	2379.8	2386.0
15°	2364.8	2356.6	2354.6	2351.9	2358.7
17.5°	2331.4	2323.3	2320.5	2319.2	2323.9
20°	2293.3	2283.0	2281.7	2281.0	2283.7
22.5°	2246.2	2240.8	2238.1	2236.7	2238.7
25°	2193.8	2189.7	2187.0	2182.9	2188.3
27.5°	2142.7	2137.2	2130.4	2127.0	2130.4
30°	2080.0	2073.1	2068.4	2067.0	2068.4
32.5°	2015.2	2008.4	2002.3	2001.6	2000.9
35°	1940.2	1936.2	1928.7	1922.5	1930.7
37.5°	1866.0	1856.4	1849.6	1842.1	1840.1
40°	1773.3	1769.9	1758.3	1751.5	1750.8
42.5°	1683.3	1667.6	1659.5	1654.7	1647.2
45°	1571.6	1560.7	1546.3	1538.8	1538.2
47.5°	1455.0	1441.4	1427.8	1417.5	1420.3
50°	1318.7	1312.6	1299.6	1290.8	1287.4
52.5°	1178.3	1177.0	1163.3	1157.9	1151.7
55°	1047.5	1042.0	1032.5	1025.7	1025.7
57.5°	918.7	913.9	909.1	896.2	896.2
60°	796.0	795.3	787.1	779.6	779.0
62.5°	686.3	690.4	682.9	675.4	671.3
65°	589.5	591.5	590.2	582.7	586.8
67.5°	504.3	505.0	502.3	498.2	500.9
70°	429.3	432.8	428.0	425.3	421.9
72.5°	363.9	362.6	358.5	360.5	355.7
75°	302.6	297.8	293.7	293.0	294.4
77.5°	241.3	239.9	236.5	236.5	234.4
80°	181.3	179.9	177.9	178.6	177.9
82.5°	128.8	125.4	122.7	124.0	124.7
85°	70.2	71.6	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)