

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: P738600

Luminaire Tested: **24PT-60-PL1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738600
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-60-PL1-L835
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

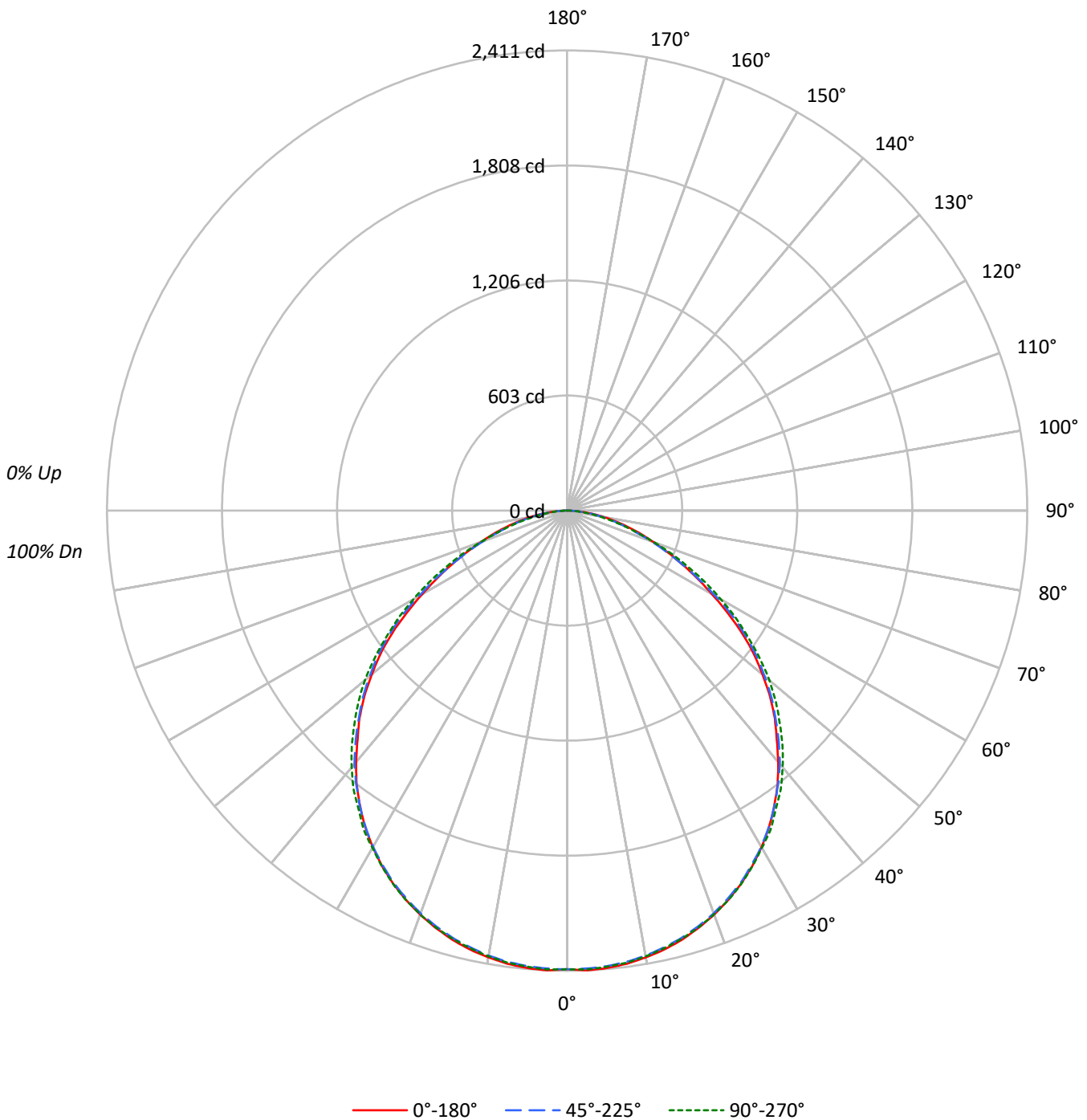
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6361.0 lumens
Efficiency: N/A
Efficacy: 125.5 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	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°	3446	3446	3446
5°	3463	3448	3453
10°	3461	3447	3453
15°	3455	3440	3447
20°	3437	3427	3435
25°	3412	3404	3415
30°	3372	3367	3378
35°	3311	3312	3337
40°	3219	3244	3288
45°	3119	3133	3195
50°	2980	3014	3086
55°	2797	2849	2892
60°	2512	2573	2668
65°	2247	2252	2374
70°	2004	1949	2019
75°	1810	1703	1673
80°	1609	1500	1324
85°	1318	1250	1035



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.0	3.6
10°-20°	654.5	10.3
20°-30°	991.6	15.6
30°-40°	1185.0	18.6
40°-50°	1195.4	18.8
50°-60°	1014.2	15.9
60°-70°	671.1	10.5
70°-80°	333.0	5.2
80°-90°	88.1	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°	1874.1	29.5
0°-40°	3059.2	48.1
0°-60°	5268.8	82.8
0°-90°	6361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6361.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2403	2403	2403	2403	2403	
5°	2406	2398	2396	2394	2399	229
15°	2327	2320	2318	2318	2322	656
25°	2157	2152	2152	2151	2159	993
35°	1891	1888	1892	1902	1906	1182
45°	1538	1536	1545	1566	1576	1183
55°	1119	1122	1140	1150	1157	995
65°	662	661	664	684	700	661
75°	327	318	307	298	302	350
85°	80	80	76	70	63	95
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2403.2	2403.2	2403.2	2403.2	2403.2
2.5°	2411.4	2403.9	2401.8	2400.4	2405.9
5°	2405.9	2397.6	2395.6	2394.2	2399.0
7.5°	2394.9	2385.9	2384.5	2383.1	2389.3
10°	2376.9	2368.6	2367.2	2365.9	2371.4
12.5°	2355.5	2347.2	2344.4	2345.1	2348.6
15°	2327.2	2319.6	2317.5	2317.5	2322.3
17.5°	2291.9	2285.0	2283.7	2283.0	2289.2
20°	2252.6	2245.7	2245.7	2247.7	2251.2
22.5°	2207.7	2202.8	2200.1	2201.5	2208.4
25°	2156.6	2151.7	2151.7	2151.0	2158.6
27.5°	2099.9	2093.7	2093.7	2099.2	2102.0
30°	2036.4	2030.8	2033.6	2037.7	2040.5
32.5°	1968.0	1964.5	1966.6	1972.8	1983.9
35°	1891.3	1888.5	1892.0	1902.4	1906.5
37.5°	1811.2	1809.1	1813.9	1827.8	1839.5
40°	1720.0	1720.0	1733.1	1745.6	1756.6
42.5°	1625.4	1631.6	1641.2	1660.6	1670.3
45°	1538.3	1536.3	1545.2	1566.0	1575.6
47.5°	1441.6	1439.5	1452.7	1467.2	1483.1
50°	1335.9	1335.2	1351.1	1363.6	1383.6
52.5°	1233.0	1239.2	1249.6	1260.6	1272.4
55°	1119.0	1121.8	1139.8	1150.1	1157.0
57.5°	996.1	1005.1	1027.2	1042.4	1048.6
60°	875.9	881.4	897.3	924.2	930.5
62.5°	766.7	768.8	778.5	808.9	817.2
65°	662.4	661.1	663.8	684.5	699.7
67.5°	567.8	562.3	562.3	573.3	592.0
70°	478.0	469.7	464.9	468.3	481.5
72.5°	402.7	391.7	379.2	377.2	385.4
75°	326.7	317.8	307.4	297.7	301.9
77.5°	260.4	252.8	243.1	232.1	226.6
80°	194.8	192.0	181.7	171.3	160.3
82.5°	136.1	134.0	127.1	118.8	111.9
85°	80.1	80.1	76.0	69.8	62.9
87.5°	35.9	34.5	35.9	30.4	28.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)