

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: P738560

Luminaire Tested: **24PT-50-PC3-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738560
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-50-PC3-L835
Description: 5000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

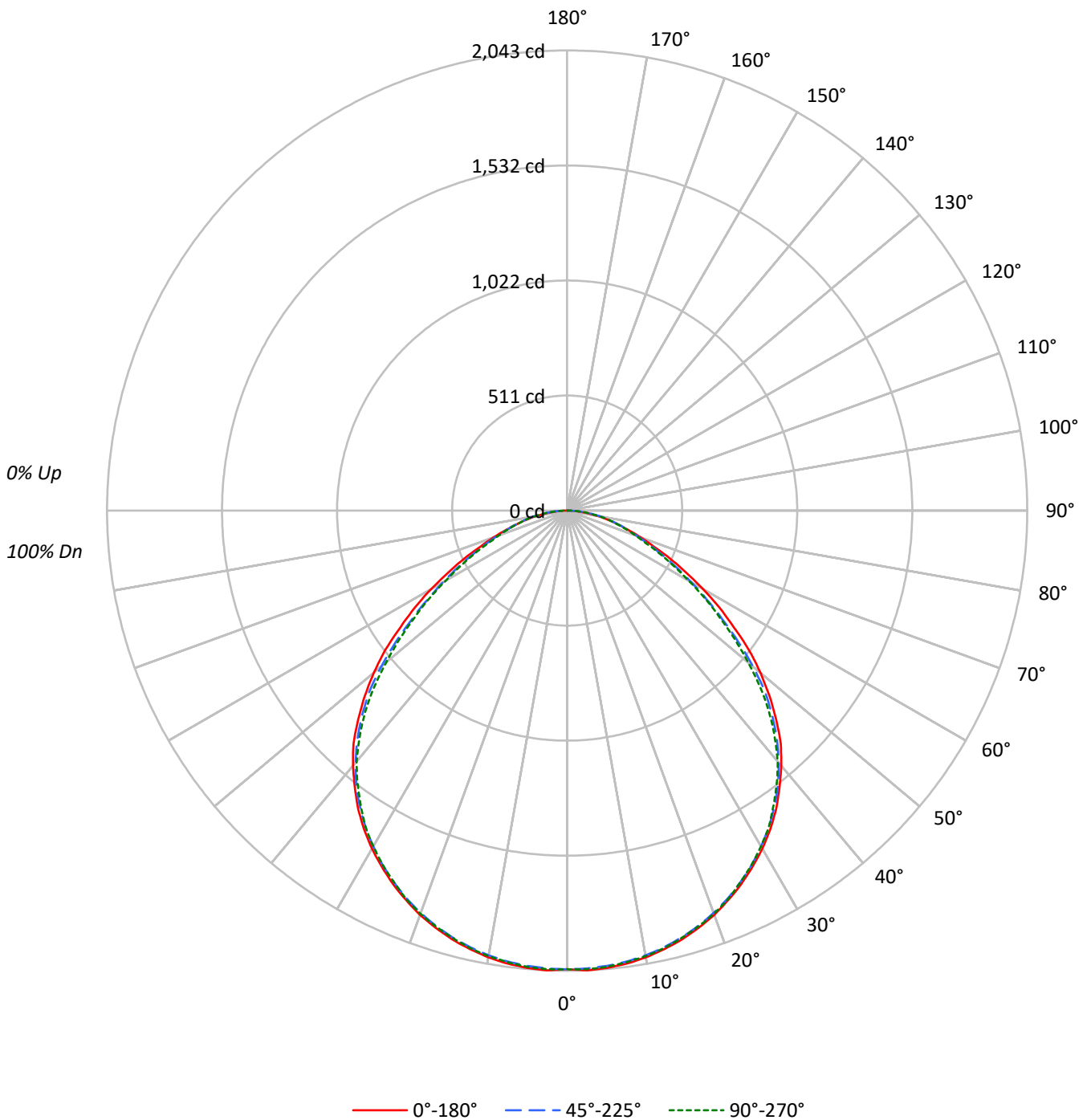
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5137.0 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 41
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	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	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	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2920	2920	2920
5°	2933	2921	2926
10°	2933	2920	2924
15°	2926	2913	2916
20°	2915	2901	2907
25°	2895	2880	2879
30°	2870	2851	2850
35°	2832	2809	2796
40°	2768	2735	2722
45°	2661	2611	2574
50°	2498	2402	2339
55°	2259	2106	2066
60°	1998	1822	1786
65°	1708	1579	1538
70°	1447	1385	1345
75°	1269	1291	1247
80°	1137	1254	1184
85°	961	1147	1091



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.1	3.8
10°-20°	554.3	10.8
20°-30°	839.6	16.3
30°-40°	1002.8	19.5
40°-50°	989.3	19.3
50°-60°	765.8	14.9
60°-70°	470.7	9.2
70°-80°	246.6	4.8
80°-90°	74.8	1.5
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°	1587.0	30.9
0°-40°	2589.8	50.4
0°-60°	4344.9	84.6
0°-90°	5137.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5137.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2036	2036	2036	2036	2036	
5°	2038	2031	2029	2028	2033	194
15°	1971	1965	1962	1961	1964	556
25°	1830	1824	1821	1819	1820	843
35°	1618	1610	1605	1600	1597	1010
45°	1312	1302	1288	1274	1270	1009
55°	904	879	842	830	826	811
65°	503	480	465	452	453	502
75°	229	231	233	228	225	247
85°	58	65	70	68	66	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2036.5	2036.5	2036.5	2036.5	2036.5
2.5°	2043.3	2037.1	2034.3	2033.7	2038.2
5°	2037.7	2031.4	2029.2	2028.0	2033.1
7.5°	2028.6	2021.8	2019.5	2017.8	2022.3
10°	2014.4	2007.6	2005.3	2004.2	2008.2
12.5°	1994.0	1987.8	1986.1	1984.4	1989.5
15°	1971.3	1965.1	1962.3	1960.6	1964.5
17.5°	1941.9	1936.8	1933.4	1933.4	1936.8
20°	1910.1	1903.9	1901.1	1899.4	1905.0
22.5°	1871.0	1867.0	1863.6	1860.8	1867.0
25°	1829.6	1824.0	1820.6	1819.4	1820.0
27.5°	1782.6	1778.6	1774.1	1772.4	1773.5
30°	1733.3	1728.2	1721.9	1718.5	1721.4
32.5°	1678.3	1670.9	1665.8	1662.4	1666.4
35°	1617.7	1610.3	1604.6	1599.5	1597.2
37.5°	1548.5	1546.2	1538.3	1529.2	1528.7
40°	1478.8	1472.6	1461.2	1457.2	1454.4
42.5°	1404.0	1390.9	1379.0	1367.7	1363.7
45°	1312.1	1302.5	1287.8	1274.2	1269.6
47.5°	1218.1	1205.6	1191.4	1167.6	1164.8
50°	1120.0	1101.9	1076.9	1057.1	1048.6
52.5°	1018.0	993.6	959.0	942.0	937.5
55°	903.5	879.1	842.3	829.8	826.4
57.5°	801.5	765.7	735.7	721.5	726.1
60°	696.6	662.0	635.4	621.8	622.9
62.5°	594.0	566.8	547.0	533.9	535.6
65°	503.3	480.1	465.3	451.7	453.4
67.5°	414.3	403.6	392.8	384.9	380.3
70°	345.2	340.6	330.4	323.1	320.8
72.5°	282.3	285.1	276.6	274.3	273.8
75°	229.0	231.3	233.0	228.4	225.0
77.5°	183.1	186.5	193.3	187.0	185.9
80°	137.7	144.5	151.9	147.9	143.4
82.5°	96.4	104.9	111.7	106.6	104.3
85°	58.4	65.2	69.7	68.0	66.3
87.5°	26.1	28.3	30.6	31.2	30.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)