

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: P738561

Luminaire Tested: **24PT-50-PC3-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738561
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-L840
Description: 5000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

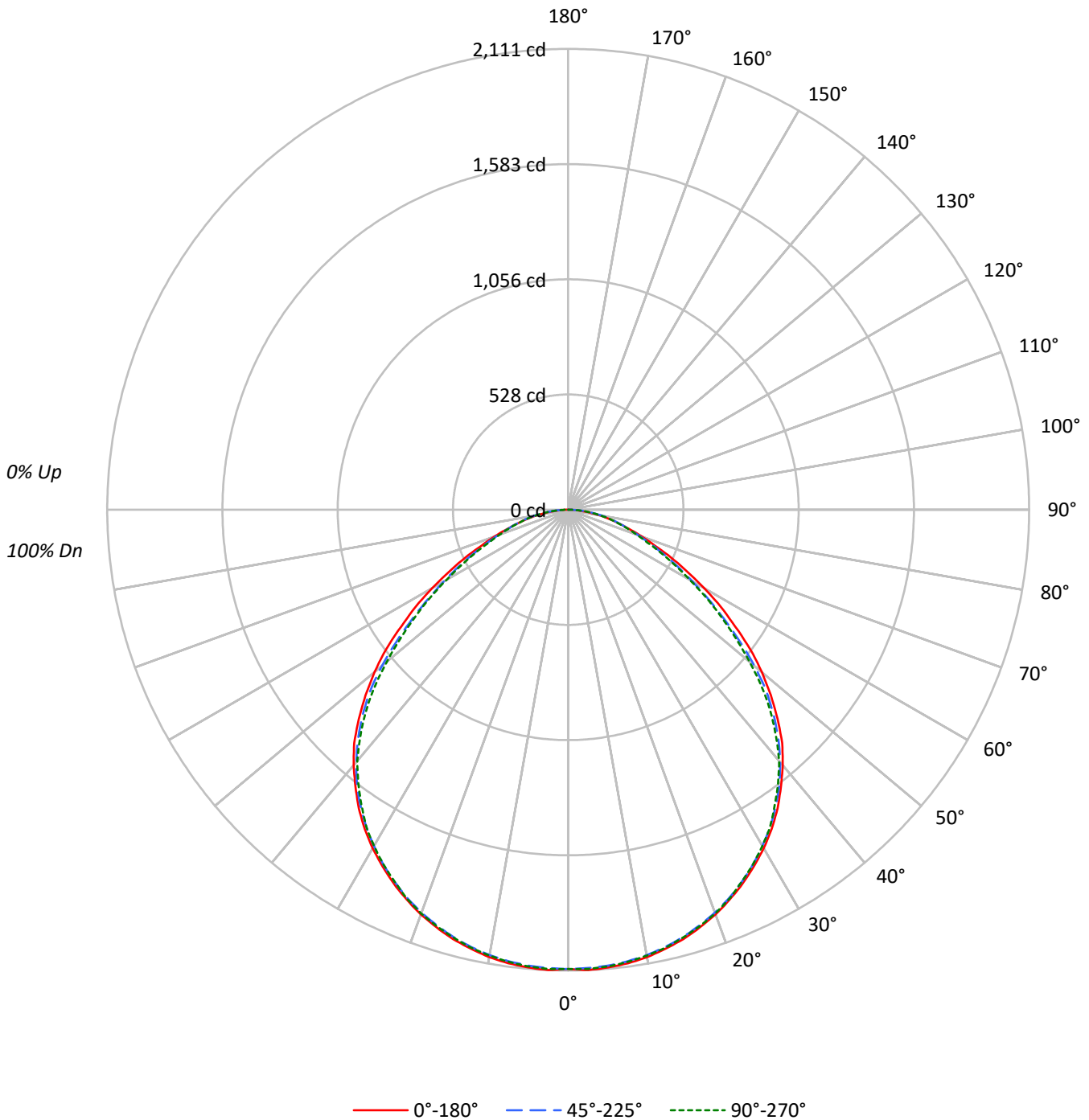
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5307.0 lumens
Efficiency: N/A
Efficacy: 129.4 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 (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	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°	3017	3017	3017
5°	3030	3017	3023
10°	3030	3016	3021
15°	3023	3009	3013
20°	3011	2997	3003
25°	2990	2976	2975
30°	2965	2945	2944
35°	2925	2902	2888
40°	2860	2826	2812
45°	2749	2698	2660
50°	2581	2482	2417
55°	2333	2175	2134
60°	2064	1882	1845
65°	1764	1631	1589
70°	1495	1431	1389
75°	1311	1333	1288
80°	1175	1296	1223
85°	992	1185	1127



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.5	3.8
10°-20°	572.6	10.8
20°-30°	867.4	16.3
30°-40°	1036.0	19.5
40°-50°	1022.0	19.3
50°-60°	791.2	14.9
60°-70°	486.3	9.2
70°-80°	254.8	4.8
80°-90°	77.2	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°	1639.5	30.9
0°-40°	2675.5	50.4
0°-60°	4488.7	84.6
0°-90°	5307.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5307.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2104	2104	2104	2104	2104	
5°	2105	2099	2096	2095	2100	200
15°	2037	2030	2027	2025	2030	575
25°	1890	1884	1881	1880	1880	871
35°	1671	1664	1658	1652	1650	1043
45°	1356	1346	1330	1316	1312	1043
55°	933	908	870	857	854	838
65°	520	496	481	467	468	519
75°	237	239	241	236	232	255
85°	60	67	72	70	68	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2103.9	2103.9	2103.9	2103.9	2103.9
2.5°	2110.9	2104.5	2101.6	2101.0	2105.7
5°	2105.1	2098.6	2096.3	2095.1	2100.4
7.5°	2095.7	2088.7	2086.3	2084.6	2089.3
10°	2081.1	2074.1	2071.7	2070.5	2074.6
12.5°	2060.0	2053.6	2051.8	2050.0	2055.3
15°	2036.6	2030.1	2027.2	2025.4	2029.5
17.5°	2006.1	2000.9	1997.3	1997.3	2000.9
20°	1973.3	1966.9	1964.0	1962.2	1968.1
22.5°	1932.9	1928.8	1925.3	1922.4	1928.8
25°	1890.2	1884.3	1880.8	1879.6	1880.2
27.5°	1841.6	1837.5	1832.8	1831.0	1832.2
30°	1790.6	1785.4	1778.9	1775.4	1778.3
32.5°	1733.8	1726.2	1721.0	1717.4	1721.5
35°	1671.2	1663.6	1657.7	1652.4	1650.1
37.5°	1599.7	1597.4	1589.2	1579.8	1579.3
40°	1527.7	1521.3	1509.6	1505.5	1502.5
42.5°	1450.4	1437.0	1424.7	1413.0	1408.9
45°	1355.6	1345.6	1330.4	1316.3	1311.7
47.5°	1258.4	1245.5	1230.8	1206.3	1203.3
50°	1157.1	1138.3	1112.6	1092.1	1083.3
52.5°	1051.7	1026.5	990.8	973.2	968.5
55°	933.4	908.2	870.1	857.3	853.7
57.5°	828.0	791.1	760.1	745.4	750.1
60°	719.7	683.9	656.4	642.4	643.5
62.5°	613.7	585.6	565.1	551.6	553.4
65°	520.0	496.0	480.7	466.7	468.4
67.5°	428.0	416.9	405.8	397.6	392.9
70°	356.6	351.9	341.4	333.8	331.4
72.5°	291.6	294.5	285.8	283.4	282.8
75°	236.6	238.9	240.7	236.0	232.5
77.5°	189.1	192.6	199.7	193.2	192.1
80°	142.3	149.3	156.9	152.8	148.1
82.5°	99.5	108.3	115.4	110.1	107.7
85°	60.3	67.3	72.0	70.3	68.5
87.5°	26.9	29.3	31.6	32.2	31.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)