

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: P738234

Luminaire Tested: **22PT-50-PC3-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738234
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P413056)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-50-PC3-L850
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

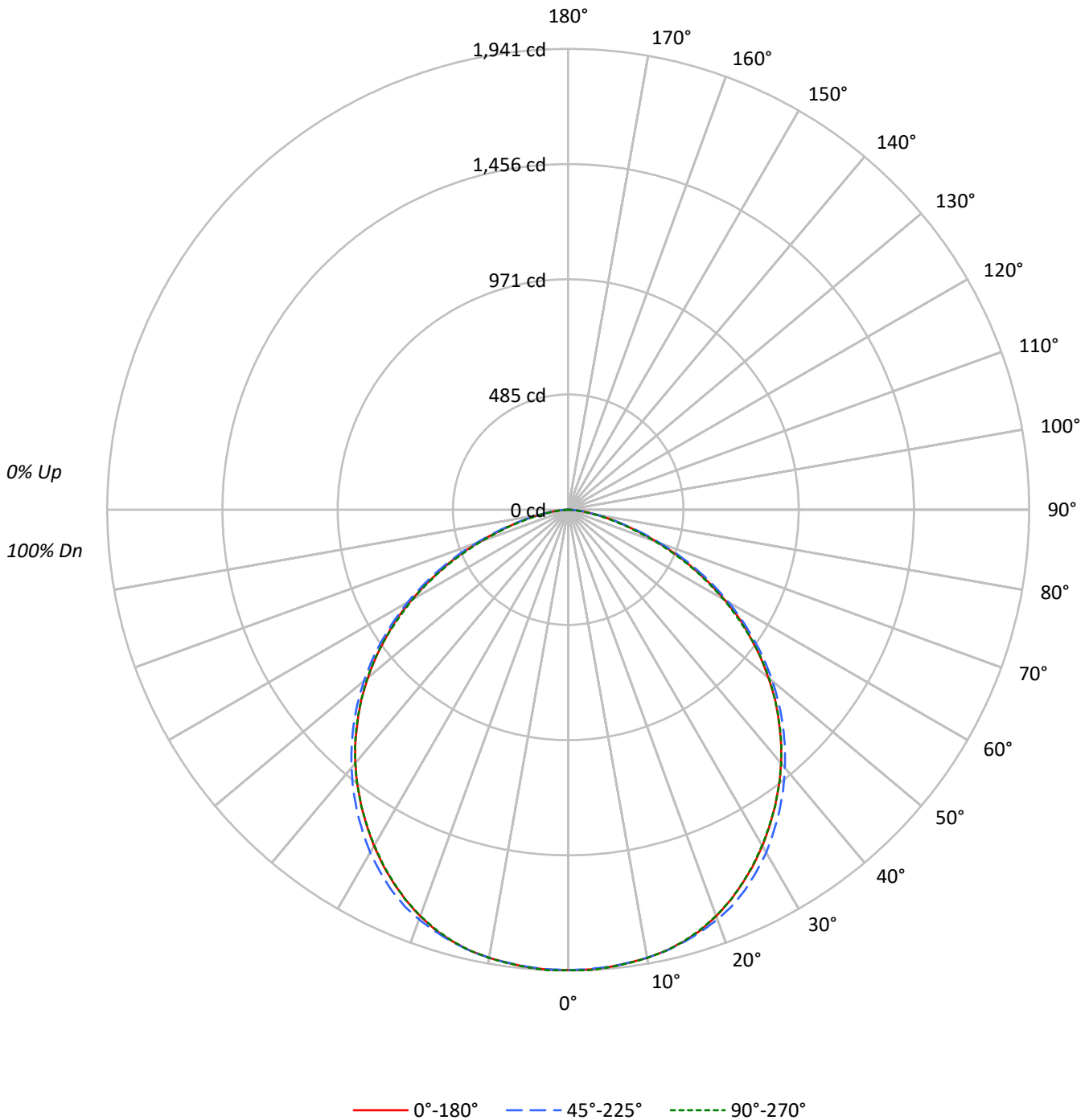
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5209.0 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 39.3
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	97	107	103	99	96	99	96	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	61	56		66	60	55		64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	38	34		44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5681	5681	5681
5°	5689	5685	5692
10°	5703	5701	5703
15°	5710	5717	5708
20°	5681	5726	5677
25°	5615	5707	5611
30°	5532	5640	5523
35°	5436	5544	5436
40°	5333	5428	5333
45°	5193	5295	5201
50°	5016	5114	5035
55°	4783	4876	4783
60°	4460	4572	4431
65°	4002	4143	3951
70°	3423	3545	3323
75°	2716	2793	2576
80°	1947	2020	1854
85°	1284	1325	1204



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.0	3.5
10°-20°	531.4	10.2
20°-30°	806.2	15.5
30°-40°	962.8	18.5
40°-50°	979.2	18.8
50°-60°	847.0	16.3
60°-70°	582.8	11.2
70°-80°	264.5	5.1
80°-90°	51.2	1.0
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°	1521.6	29.2
0°-40°	2484.4	47.7
0°-60°	4310.5	82.8
0°-90°	5209.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5209.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1939	1939	1939	1939	1939	
5°	1934	1932	1933	1933	1935	184
15°	1882	1883	1885	1882	1882	531
25°	1737	1752	1765	1749	1736	800
35°	1520	1547	1550	1544	1520	951
45°	1253	1276	1278	1277	1255	966
55°	936	952	955	953	936	837
65°	577	593	598	593	570	573
75°	240	249	247	244	228	258
85°	38	41	39	38	36	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1939.0	1939.0	1939.0	1939.0	1939.0
2.5°	1939.0	1936.5	1937.1	1937.8	1941.4
5°	1934.1	1932.2	1932.7	1932.7	1935.3
7.5°	1926.0	1925.5	1925.5	1924.8	1926.7
10°	1916.8	1915.6	1916.1	1915.6	1916.8
12.5°	1902.6	1902.6	1903.2	1901.4	1902.6
15°	1882.2	1883.4	1884.6	1881.7	1881.7
17.5°	1856.3	1859.4	1862.5	1857.0	1853.8
20°	1821.8	1829.3	1836.5	1827.9	1820.6
22.5°	1781.7	1794.0	1805.2	1791.6	1781.7
25°	1736.7	1752.1	1765.1	1749.0	1735.5
27.5°	1687.9	1705.2	1717.5	1704.0	1685.5
30°	1635.0	1655.9	1667.0	1654.0	1632.4
32.5°	1578.3	1602.8	1609.6	1601.6	1576.9
35°	1519.6	1546.8	1549.9	1544.4	1519.6
37.5°	1458.5	1484.5	1486.9	1483.8	1458.5
40°	1394.4	1418.4	1419.1	1419.1	1394.4
42.5°	1326.0	1349.4	1349.4	1348.7	1327.8
45°	1253.2	1276.0	1277.9	1276.6	1255.1
47.5°	1181.1	1198.4	1201.3	1198.9	1179.8
50°	1100.3	1118.1	1121.9	1119.3	1104.6
52.5°	1020.0	1036.8	1040.4	1038.5	1021.9
55°	936.3	952.2	954.6	952.9	936.3
57.5°	855.5	865.9	868.3	864.6	843.7
60°	761.0	775.9	780.2	775.9	756.2
62.5°	669.8	685.8	689.6	683.3	662.4
65°	577.3	593.2	597.5	592.7	569.9
67.5°	489.8	501.3	505.2	499.6	478.5
70°	399.6	414.5	413.8	406.4	387.9
72.5°	310.9	331.1	327.5	323.2	302.7
75°	239.9	249.1	246.7	244.3	227.5
77.5°	171.4	182.5	176.5	177.0	162.8
80°	115.4	125.8	119.7	117.1	109.9
82.5°	73.4	77.7	76.5	75.3	68.5
85°	38.2	40.7	39.4	38.2	35.8
87.5°	14.9	16.1	14.9	14.9	13.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)