

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: P737847

Luminaire Tested: **14PT-50-PC3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737847
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-50-PC3-L830
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

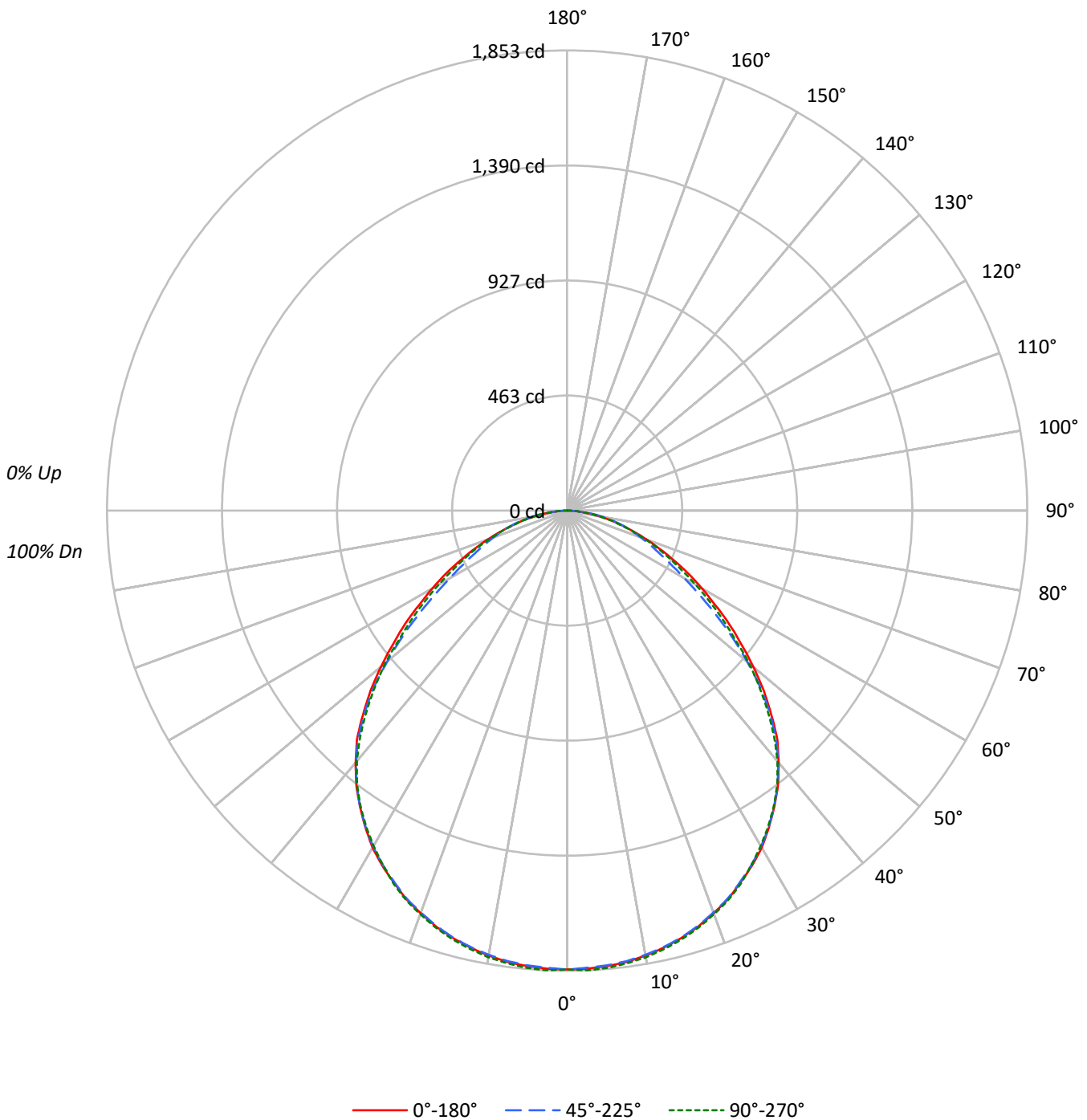
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4658.0 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 40.9
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	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					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	90	80	73	68	77	71	66	75	70	65	72	68	64					62				
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56					54				
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49					47				
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43					41				
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39					37				
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	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°	5540	5540	5540
5°	5541	5531	5563
10°	5540	5530	5560
15°	5528	5522	5546
20°	5503	5494	5518
25°	5465	5456	5478
30°	5424	5406	5397
35°	5326	5321	5311
40°	5186	5178	5154
45°	4931	4895	4845
50°	4565	4411	4460
55°	4166	3827	4000
60°	3757	3265	3582
65°	3357	2921	3221
70°	2978	2763	2896
75°	2633	2679	2580
80°	2270	2555	2258
85°	1706	2023	1706



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.2	3.8
10°-20°	503.0	10.8
20°-30°	761.5	16.3
30°-40°	908.0	19.5
40°-50°	887.2	19.0
50°-60°	678.4	14.6
60°-70°	435.5	9.4
70°-80°	242.3	5.2
80°-90°	66.9	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°	1439.8	30.9
0°-40°	2347.7	50.4
0°-60°	3913.3	84.0
0°-90°	4658.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4658.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1848	1848	1848	1848	1848	
5°	1841	1842	1838	1846	1848	175
15°	1781	1782	1779	1785	1787	503
25°	1652	1654	1649	1655	1656	762
35°	1455	1456	1454	1453	1451	909
45°	1163	1166	1154	1152	1143	895
55°	797	769	732	742	765	712
65°	473	437	412	426	454	472
75°	227	229	231	228	223	243
85°	50	58	59	57	50	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1847.7	1847.7	1847.7	1847.7	1847.7
2.5°	1846.4	1847.0	1842.4	1850.3	1853.0
5°	1841.1	1842.4	1837.8	1846.4	1848.4
7.5°	1833.2	1834.5	1829.9	1838.4	1839.1
10°	1819.9	1820.6	1816.6	1825.2	1826.5
12.5°	1802.1	1804.1	1799.5	1807.4	1808.0
15°	1781.0	1782.3	1779.0	1784.9	1786.9
17.5°	1755.8	1756.5	1753.2	1759.8	1760.5
20°	1724.8	1724.8	1722.1	1729.4	1729.4
22.5°	1693.1	1691.1	1690.4	1693.1	1697.0
25°	1652.1	1654.1	1649.4	1654.7	1656.1
27.5°	1612.4	1612.4	1608.5	1611.1	1607.8
30°	1566.8	1564.2	1561.6	1562.2	1558.9
32.5°	1512.0	1512.0	1510.7	1510.7	1506.7
35°	1455.2	1456.5	1453.8	1453.2	1451.2
37.5°	1394.4	1396.3	1391.7	1390.4	1389.1
40°	1325.0	1325.0	1323.0	1320.3	1317.0
42.5°	1252.9	1252.9	1244.4	1237.7	1233.1
45°	1163.1	1165.7	1154.5	1151.8	1142.6
47.5°	1073.9	1071.9	1056.7	1054.7	1049.4
50°	978.7	967.5	945.7	951.6	956.2
52.5°	883.5	869.7	837.9	844.5	852.5
55°	797.0	769.2	732.2	741.5	765.2
57.5°	706.4	669.4	632.4	649.6	679.3
60°	626.5	584.8	544.5	563.0	597.4
62.5°	549.8	505.5	473.2	491.0	520.1
65°	473.2	436.8	411.7	425.6	454.0
67.5°	403.1	378.7	361.5	368.1	391.2
70°	339.7	324.5	315.2	317.2	330.4
72.5°	279.5	275.6	272.3	272.3	273.6
75°	227.3	229.3	231.3	228.0	222.7
77.5°	179.1	185.7	190.3	183.7	177.1
80°	131.5	142.1	148.0	140.8	130.8
82.5°	89.9	101.8	103.8	99.1	87.9
85°	49.6	58.2	58.8	56.8	49.6
87.5°	18.5	21.8	23.8	21.8	19.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)