

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: P737848

Luminaire Tested: **14PT-50-PC3-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737848
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-L835
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

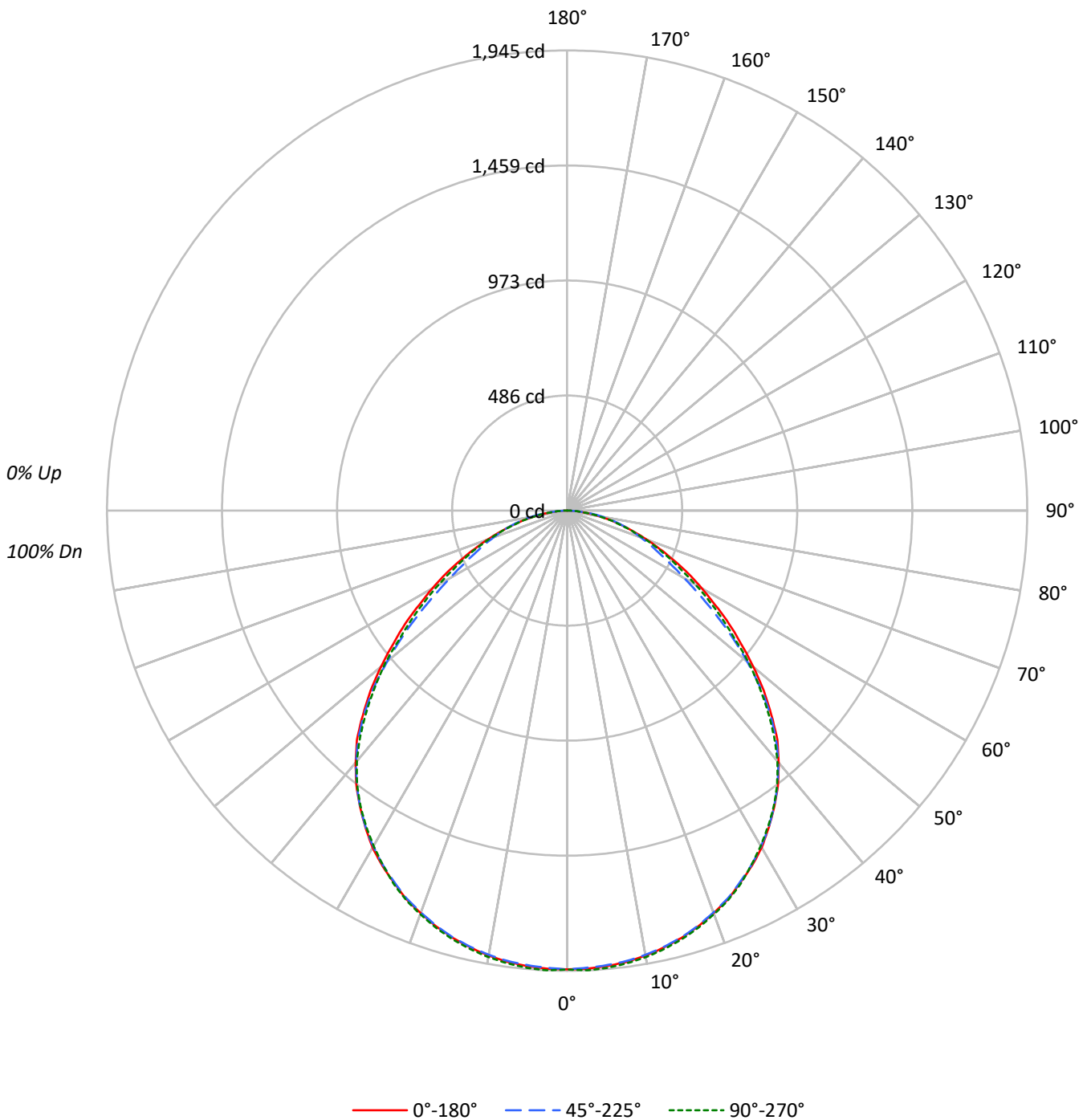
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4889.0 lumens
Efficiency: N/A
Efficacy: 119.5 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	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	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°	5814	5814	5814
5°	5816	5805	5838
10°	5815	5805	5836
15°	5802	5795	5821
20°	5776	5767	5791
25°	5736	5727	5750
30°	5693	5674	5664
35°	5590	5585	5575
40°	5443	5435	5410
45°	5176	5138	5085
50°	4791	4630	4681
55°	4372	4017	4198
60°	3942	3427	3760
65°	3523	3065	3380
70°	3125	2901	3040
75°	2764	2813	2707
80°	2383	2683	2371
85°	1789	2122	1789



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.9	3.8
10°-20°	527.9	10.8
20°-30°	799.3	16.3
30°-40°	953.0	19.5
40°-50°	931.2	19.0
50°-60°	712.0	14.6
60°-70°	457.1	9.3
70°-80°	254.3	5.2
80°-90°	70.2	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°	1511.2	30.9
0°-40°	2464.2	50.4
0°-60°	4107.3	84.0
0°-90°	4889.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4889.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1939	1939	1939	1939	1939	
5°	1932	1934	1929	1938	1940	184
15°	1869	1871	1867	1873	1876	528
25°	1734	1736	1731	1737	1738	800
35°	1527	1529	1526	1525	1523	954
45°	1221	1224	1212	1209	1199	939
55°	836	807	768	778	803	748
65°	497	458	432	447	476	495
75°	239	241	243	239	234	255
85°	52	61	62	60	52	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1939.3	1939.3	1939.3	1939.3	1939.3
2.5°	1937.9	1938.6	1933.8	1942.1	1944.9
5°	1932.4	1933.8	1928.9	1937.9	1940.0
7.5°	1924.1	1925.5	1920.6	1929.6	1930.3
10°	1910.2	1910.9	1906.7	1915.7	1917.1
12.5°	1891.5	1893.5	1888.7	1897.0	1897.7
15°	1869.3	1870.7	1867.2	1873.4	1875.5
17.5°	1842.9	1843.6	1840.1	1847.1	1847.8
20°	1810.3	1810.3	1807.5	1815.2	1815.2
22.5°	1777.0	1774.9	1774.2	1777.0	1781.2
25°	1734.0	1736.1	1731.2	1736.8	1738.2
27.5°	1692.4	1692.4	1688.2	1691.0	1687.5
30°	1644.5	1641.8	1639.0	1639.7	1636.2
32.5°	1587.0	1587.0	1585.6	1585.6	1581.4
35°	1527.3	1528.7	1525.9	1525.2	1523.2
37.5°	1463.5	1465.6	1460.7	1459.4	1458.0
40°	1390.7	1390.7	1388.6	1385.8	1382.4
42.5°	1315.1	1315.1	1306.1	1299.1	1294.3
45°	1220.7	1223.5	1211.7	1209.0	1199.2
47.5°	1127.1	1125.0	1109.1	1107.0	1101.4
50°	1027.2	1015.4	992.6	998.8	1003.7
52.5°	927.4	912.8	879.5	886.4	894.8
55°	836.5	807.4	768.5	778.2	803.2
57.5°	741.5	702.6	663.8	681.8	713.0
60°	657.5	613.8	571.5	591.0	627.0
62.5°	577.1	530.6	496.6	515.4	545.9
65°	496.6	458.5	432.1	446.7	476.5
67.5°	423.1	397.4	379.4	386.3	410.6
70°	356.5	340.6	330.9	332.9	346.8
72.5°	293.4	289.2	285.8	285.8	287.2
75°	238.6	240.7	242.8	239.3	233.7
77.5°	188.0	194.9	199.8	192.8	185.9
80°	138.0	149.1	155.4	147.7	137.3
82.5°	94.3	106.8	108.9	104.0	92.2
85°	52.0	61.0	61.7	59.7	52.0
87.5°	19.4	22.9	25.0	22.9	20.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)