

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: P737900

Luminaire Tested: **14PT-60-PC3-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737900
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-60-PC3-L935
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

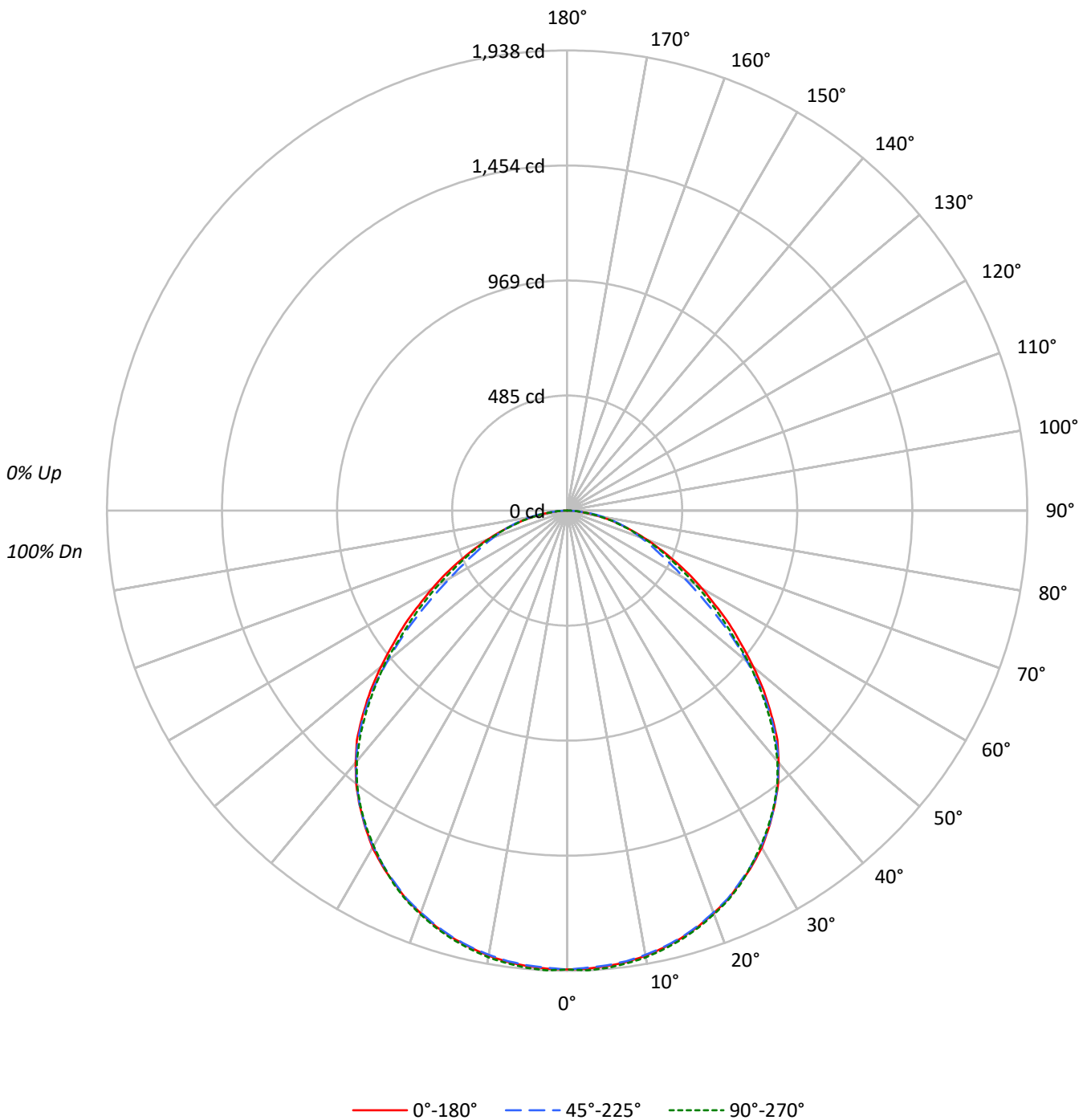
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4872.0 lumens
Efficiency: N/A
Efficacy: 97.8 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): 49.8
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	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°	5794	5794	5794
5°	5795	5785	5818
10°	5795	5785	5816
15°	5782	5775	5801
20°	5756	5747	5771
25°	5716	5707	5730
30°	5673	5654	5645
35°	5570	5565	5555
40°	5424	5416	5392
45°	5158	5120	5067
50°	4775	4613	4665
55°	4357	4003	4184
60°	3929	3415	3746
65°	3511	3055	3369
70°	3114	2890	3029
75°	2755	2802	2698
80°	2374	2673	2364
85°	1782	2116	1782



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.3	3.8
10°-20°	526.1	10.8
20°-30°	796.5	16.3
30°-40°	949.7	19.5
40°-50°	927.9	19.0
50°-60°	709.5	14.6
60°-70°	455.5	9.4
70°-80°	253.4	5.2
80°-90°	70.0	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°	1505.9	30.9
0°-40°	2455.6	50.4
0°-60°	4093.0	84.0
0°-90°	4872.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4872.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1933	1933	1933	1933	1933	
5°	1926	1927	1922	1931	1933	183
15°	1863	1864	1861	1867	1869	526
25°	1728	1730	1725	1731	1732	797
35°	1522	1523	1521	1520	1518	951
45°	1216	1219	1208	1205	1195	936
55°	834	805	766	776	800	745
65°	495	457	431	445	475	494
75°	238	240	242	238	233	254
85°	52	61	62	59	52	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1932.6	1932.6	1932.6	1932.6	1932.6
2.5°	1931.2	1931.9	1927.1	1935.3	1938.1
5°	1925.7	1927.1	1922.2	1931.2	1933.3
7.5°	1917.4	1918.8	1913.9	1922.9	1923.6
10°	1903.6	1904.2	1900.1	1909.1	1910.5
12.5°	1884.9	1887.0	1882.1	1890.4	1891.1
15°	1862.8	1864.2	1860.7	1866.9	1869.0
17.5°	1836.5	1837.2	1833.7	1840.7	1841.3
20°	1804.0	1804.0	1801.3	1808.9	1808.9
22.5°	1770.8	1768.8	1768.1	1770.8	1775.0
25°	1728.0	1730.1	1725.2	1730.8	1732.1
27.5°	1686.5	1686.5	1682.4	1685.1	1681.7
30°	1638.8	1636.1	1633.3	1634.0	1630.5
32.5°	1581.5	1581.5	1580.1	1580.1	1575.9
35°	1522.0	1523.4	1520.6	1519.9	1517.9
37.5°	1458.4	1460.5	1455.7	1454.3	1452.9
40°	1385.8	1385.8	1383.8	1381.0	1377.6
42.5°	1310.5	1310.5	1301.5	1294.6	1289.8
45°	1216.5	1219.3	1207.5	1204.8	1195.1
47.5°	1123.2	1121.1	1105.2	1103.1	1097.6
50°	1023.7	1011.9	989.1	995.3	1000.2
52.5°	924.1	909.6	876.4	883.3	891.6
55°	833.6	804.6	765.8	775.5	800.4
57.5°	738.9	700.2	661.5	679.4	710.5
60°	655.3	611.7	569.5	588.9	624.8
62.5°	575.1	528.8	494.9	513.6	544.0
65°	494.9	456.9	430.6	445.1	474.9
67.5°	421.6	396.1	378.1	385.0	409.2
70°	355.3	339.4	329.7	331.8	345.6
72.5°	292.4	288.2	284.8	284.8	286.2
75°	237.8	239.8	241.9	238.5	232.9
77.5°	187.3	194.2	199.1	192.2	185.2
80°	137.5	148.6	154.8	147.2	136.9
82.5°	94.0	106.4	108.5	103.7	91.9
85°	51.8	60.8	61.5	59.4	51.8
87.5°	19.4	22.8	24.9	22.8	20.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)