

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: P737892

Luminaire Tested: **14PT-60-PB1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737892
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-60-PB1-L935
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

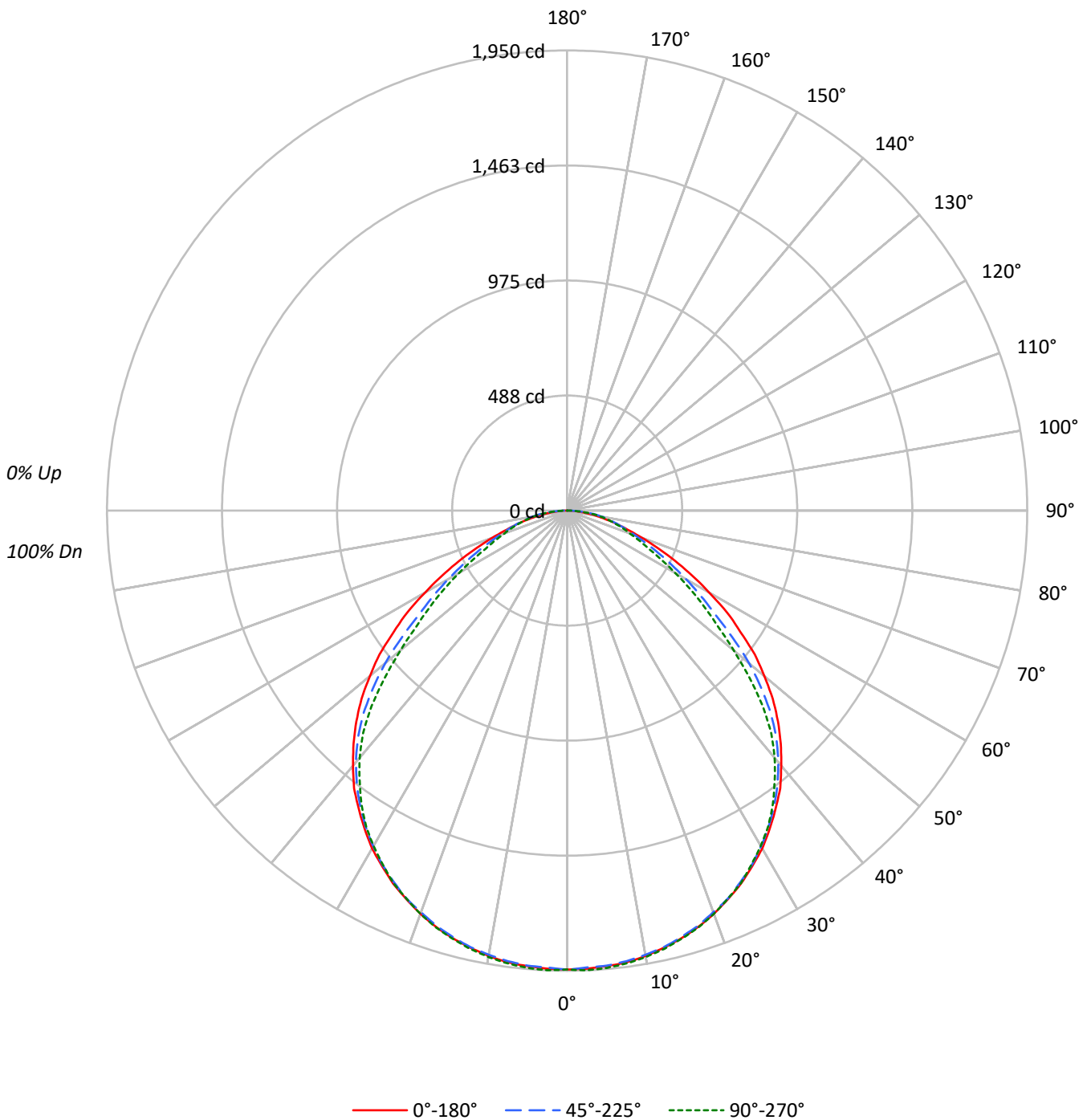
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4850.0 lumens
Efficiency: N/A
Efficacy: 97.4 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	93	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5831	5831	5831
5°	5832	5825	5854
10°	5834	5819	5848
15°	5822	5807	5829
20°	5801	5778	5801
25°	5769	5746	5762
30°	5723	5690	5682
35°	5639	5595	5560
40°	5524	5449	5356
45°	5356	5183	4970
50°	5088	4698	4296
55°	4690	3989	3702
60°	4175	3486	3170
65°	3581	3021	2699
70°	2957	2663	2475
75°	2494	2550	2411
80°	2106	2602	2478
85°	1644	2635	2305



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.4	3.8
10°-20°	529.2	10.9
20°-30°	801.6	16.5
30°-40°	955.2	19.7
40°-50°	934.1	19.3
50°-60°	706.5	14.6
60°-70°	434.1	8.9
70°-80°	231.2	4.8
80°-90°	73.8	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°	1515.2	31.2
0°-40°	2470.4	50.9
0°-60°	4110.9	84.8
0°-90°	4850.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4850.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1945	1945	1945	1945	1945	
5°	1938	1940	1936	1943	1945	184
15°	1876	1878	1871	1878	1878	529
25°	1744	1742	1737	1739	1742	803
35°	1541	1538	1529	1522	1519	964
45°	1263	1256	1222	1182	1172	972
55°	897	852	763	720	708	803
65°	505	464	426	392	380	502
75°	215	218	220	213	208	231
85°	48	62	77	72	67	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1945.0	1945.0	1945.0	1945.0	1945.0
2.5°	1942.6	1945.0	1937.9	1947.4	1949.8
5°	1937.9	1940.3	1935.5	1942.6	1945.0
7.5°	1930.7	1930.7	1925.9	1933.1	1935.5
10°	1916.3	1916.3	1911.5	1918.7	1921.1
12.5°	1897.2	1897.2	1894.8	1899.6	1902.0
15°	1875.7	1878.1	1870.9	1878.1	1878.1
17.5°	1849.3	1847.0	1844.6	1849.3	1851.7
20°	1818.2	1818.2	1811.1	1815.8	1818.2
22.5°	1782.4	1782.4	1780.0	1782.4	1780.0
25°	1744.1	1741.7	1736.9	1739.3	1741.7
27.5°	1698.6	1698.6	1693.8	1693.8	1691.4
30°	1653.2	1650.8	1643.6	1638.8	1641.2
32.5°	1598.1	1595.7	1588.6	1583.8	1586.2
35°	1540.7	1538.3	1528.8	1521.6	1519.2
37.5°	1483.3	1476.1	1464.2	1454.6	1445.0
40°	1411.5	1404.4	1392.4	1370.9	1368.5
42.5°	1339.8	1332.6	1313.4	1287.1	1279.9
45°	1263.2	1256.0	1222.5	1181.9	1172.3
47.5°	1181.9	1169.9	1117.3	1067.0	1047.9
50°	1090.9	1069.4	1007.2	942.6	921.1
52.5°	1002.4	964.1	882.8	825.4	803.9
55°	897.2	851.7	763.2	720.1	708.2
57.5°	803.9	741.7	669.9	626.8	617.2
60°	696.2	638.8	581.4	543.1	528.7
62.5°	598.1	547.9	500.0	466.5	449.8
65°	504.8	464.1	425.9	392.4	380.4
67.5°	413.9	392.4	361.3	334.9	327.8
70°	337.3	325.4	303.8	291.9	282.3
72.5°	268.0	272.7	258.4	253.6	246.4
75°	215.3	217.7	220.1	212.9	208.1
77.5°	162.7	174.6	184.2	179.4	174.6
80°	122.0	134.0	150.7	143.5	143.5
82.5°	83.7	98.1	112.4	107.7	105.3
85°	47.8	62.2	76.6	71.8	67.0
87.5°	19.1	31.1	33.5	33.5	31.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)