

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: P737924

Luminaire Tested: **14PT-60-PR1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737924
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-60-PR1-L935
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

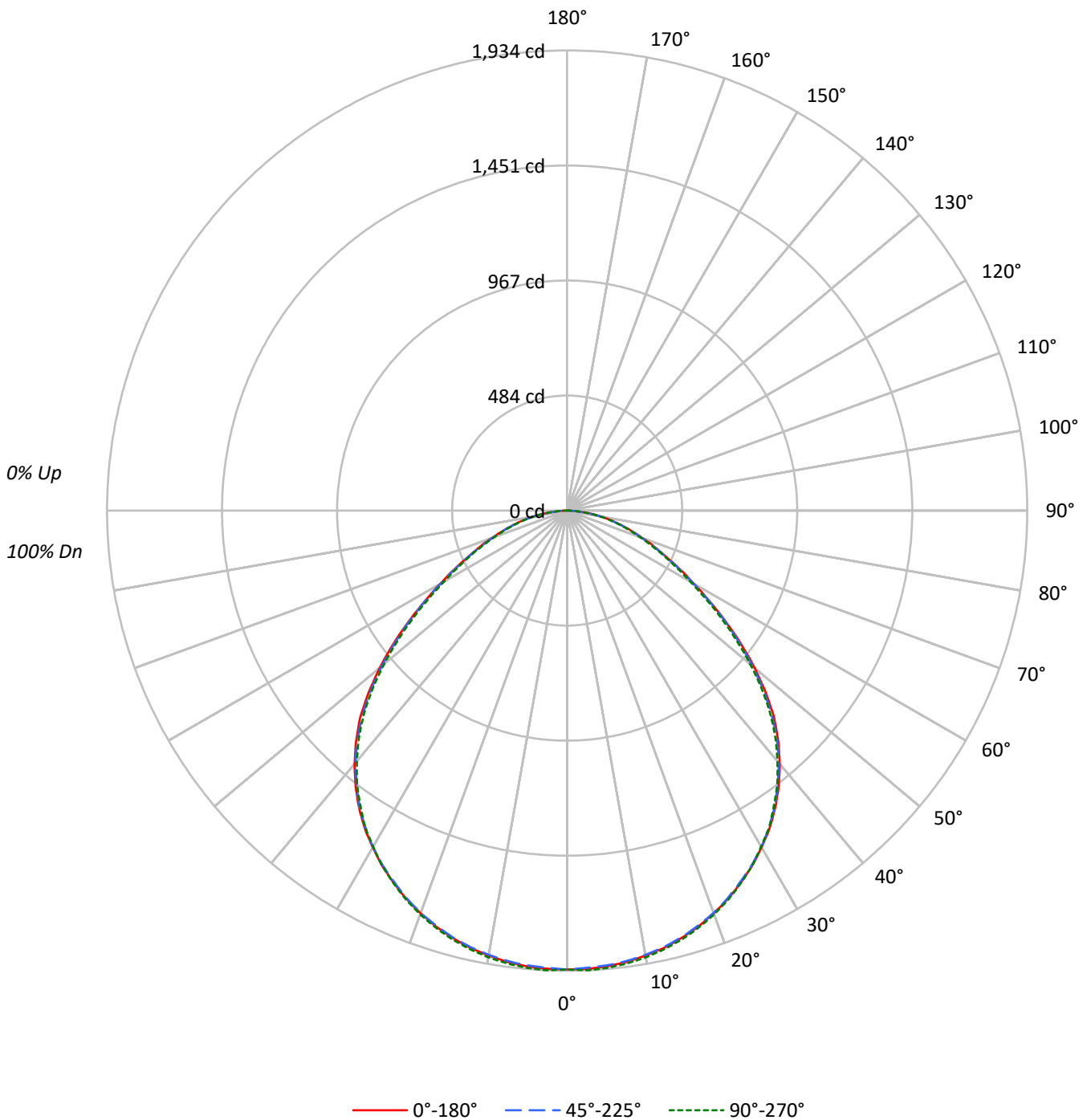
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4877.0 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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	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	88					85				
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75					73				
3	92	82	74	68	90	80	73	68	78	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	45	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	39	33	29	39	33	29					27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5781	5781	5781
5°	5787	5775	5806
10°	5782	5772	5803
15°	5771	5762	5790
20°	5747	5740	5762
25°	5709	5696	5716
30°	5659	5652	5645
35°	5581	5568	5545
40°	5440	5419	5381
45°	5213	5155	5117
50°	4797	4742	4684
55°	4245	4227	4144
60°	3689	3676	3577
65°	3251	3231	3167
70°	2951	2908	2848
75°	2730	2667	2618
80°	2495	2459	2374
85°	1975	1950	1878



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.9	3.8
10°-20°	525.0	10.8
20°-30°	795.4	16.3
30°-40°	949.5	19.5
40°-50°	933.8	19.1
50°-60°	721.8	14.8
60°-70°	455.1	9.3
70°-80°	246.2	5.0
80°-90°	67.3	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°	1503.4	30.8
0°-40°	2452.9	50.3
0°-60°	4108.5	84.2
0°-90°	4877.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4877.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1928	1928	1928	1928	1928	
5°	1923	1924	1919	1927	1929	183
15°	1859	1860	1856	1863	1866	525
25°	1726	1727	1722	1727	1728	795
35°	1525	1526	1521	1519	1515	952
45°	1230	1225	1216	1206	1207	942
55°	812	819	809	796	793	729
65°	458	459	456	448	446	461
75°	236	233	230	232	226	250
85°	57	58	57	57	55	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1928.4	1928.4	1928.4	1928.4	1928.4
2.5°	1927.7	1928.4	1922.9	1931.9	1934.0
5°	1922.9	1923.6	1918.8	1927.0	1929.1
7.5°	1913.2	1914.6	1909.8	1918.1	1920.1
10°	1899.4	1900.8	1895.9	1904.2	1906.3
12.5°	1882.1	1882.8	1878.7	1886.3	1888.3
15°	1859.3	1860.0	1856.5	1862.8	1865.5
17.5°	1833.0	1833.7	1828.9	1836.5	1837.9
20°	1801.3	1801.9	1799.2	1805.4	1806.1
22.5°	1766.0	1767.4	1763.2	1768.8	1769.5
25°	1725.9	1727.3	1721.8	1727.3	1728.0
27.5°	1683.7	1684.4	1679.6	1683.7	1683.1
30°	1634.7	1638.8	1632.6	1631.2	1630.5
32.5°	1583.5	1584.2	1578.0	1576.6	1579.4
35°	1524.8	1525.5	1521.3	1519.2	1515.1
37.5°	1460.5	1460.5	1452.9	1451.5	1450.8
40°	1390.0	1389.3	1384.5	1379.6	1374.8
42.5°	1313.3	1314.7	1305.0	1296.7	1295.3
45°	1229.6	1224.8	1215.8	1206.1	1206.8
47.5°	1130.8	1132.2	1119.7	1112.1	1110.1
50°	1028.5	1028.5	1016.7	1008.5	1004.3
52.5°	921.4	922.1	911.0	899.9	897.9
55°	812.2	819.1	808.7	795.6	792.8
57.5°	709.9	715.4	705.7	691.9	691.2
60°	615.2	615.9	613.1	600.0	596.5
62.5°	534.3	530.8	529.5	522.5	518.4
65°	458.3	459.0	455.5	447.9	446.5
67.5°	396.7	396.1	389.8	385.0	382.2
70°	336.6	334.5	331.8	327.6	324.9
72.5°	282.7	282.7	280.6	279.2	274.4
75°	235.7	232.9	230.2	231.6	226.0
77.5°	190.8	188.0	185.9	183.2	181.8
80°	144.5	141.7	142.4	138.2	137.5
82.5°	100.2	100.2	98.8	95.4	96.1
85°	57.4	58.1	56.7	57.4	54.6
87.5°	20.7	21.4	22.8	21.4	21.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)