

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: P737980

Luminaire Tested: **14PT-70-PW1-L935**

Issue Date: 2/8/2024



**Test Information**

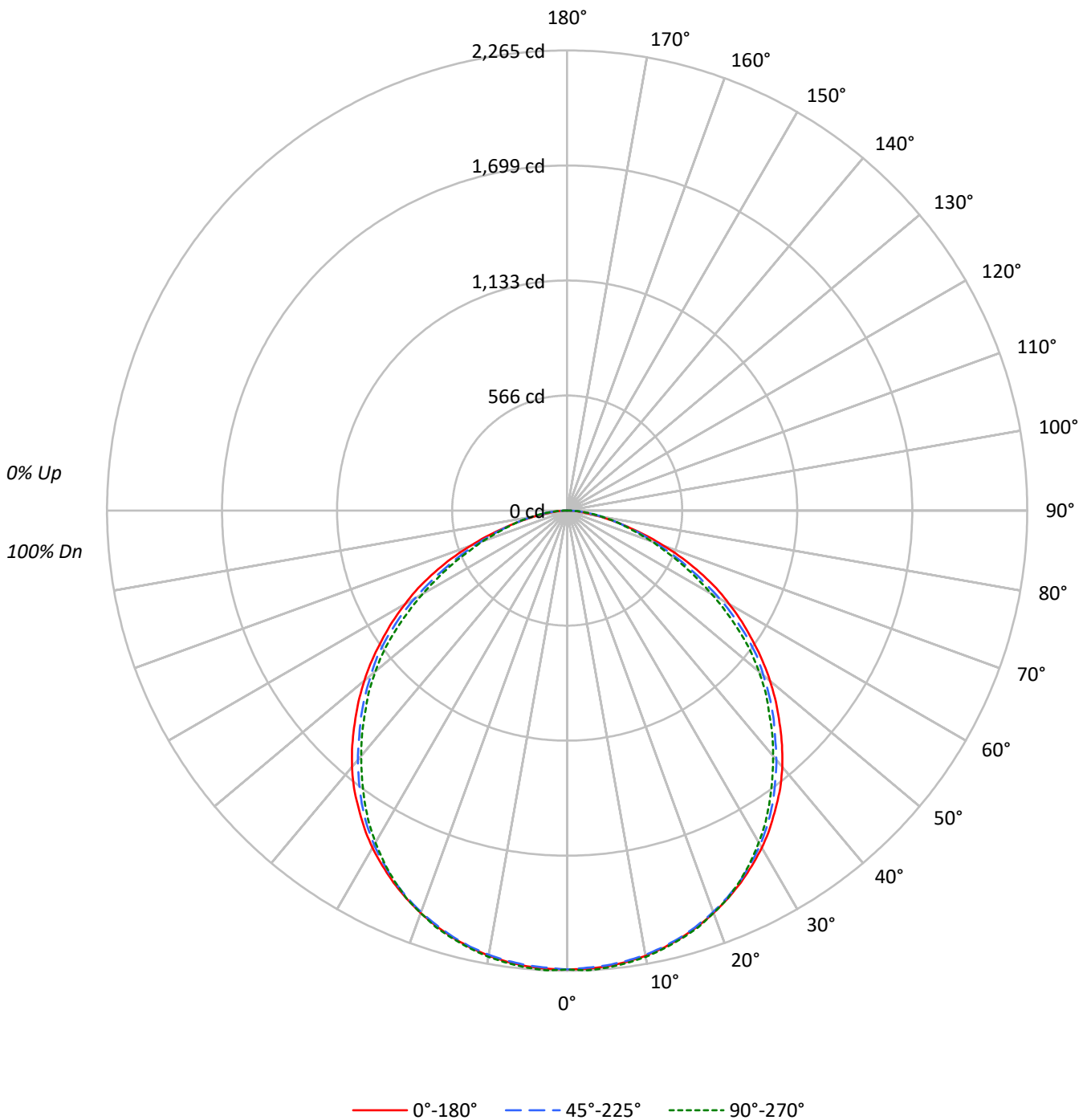
Test Method: LM-79-08  
Report Number: P737980  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-70-PW1-L935  
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5993.0 lumens  
Efficiency: N/A  
Efficacy: 95.6 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34  
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 62.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6771	6771	6771
5°	6777	6761	6797
10°	6773	6758	6791
15°	6752	6742	6768
20°	6725	6709	6725
25°	6687	6660	6654
30°	6636	6578	6532
35°	6547	6450	6367
40°	6448	6271	6173
45°	6269	6084	5960
50°	6080	5882	5745
55°	5825	5629	5406
60°	5524	5198	4927
65°	5111	4642	4410
70°	4430	4041	3888
75°	3538	3460	3363
80°	2686	3004	3004
85°	1985	2563	2563



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	214.2	3.6
10°-20°	614.3	10.2
20°-30°	928.4	15.5
30°-40°	1102.3	18.4
40°-50°	1110.6	18.5
50°-60°	960.0	16.0
60°-70°	656.1	10.9
70°-80°	323.5	5.4
80°-90°	83.7	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°	1756.8	29.3
0°-40°	2859.1	47.7
0°-60°	4929.7	82.3
0°-90°	5993.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5993.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2258	2258	2258	2258	2258	
5°	2252	2252	2247	2256	2258	214
15°	2176	2178	2172	2180	2180	614
25°	2022	2020	2013	2015	2012	931
35°	1789	1783	1762	1746	1740	1120
45°	1478	1463	1435	1418	1406	1141
55°	1114	1111	1077	1045	1034	997
65°	720	694	654	626	622	711
75°	305	303	299	299	290	333
85°	58	68	74	76	74	71
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2258.4	2258.4	2258.4	2258.4	2258.4
2.5°	2257.5	2258.4	2252.5	2262.5	2265.0
5°	2251.7	2252.5	2246.6	2255.8	2258.4
7.5°	2240.8	2242.5	2235.8	2245.0	2246.6
10°	2224.9	2225.7	2219.9	2229.1	2230.7
12.5°	2203.1	2204.0	2198.9	2207.3	2207.3
15°	2175.5	2178.0	2172.2	2179.7	2180.5
17.5°	2144.6	2145.4	2139.5	2147.9	2149.6
20°	2107.7	2107.7	2102.7	2109.4	2107.7
22.5°	2066.7	2066.7	2060.9	2064.2	2065.9
25°	2021.6	2019.9	2013.2	2014.9	2011.5
27.5°	1969.7	1969.7	1958.0	1958.0	1952.1
30°	1917.0	1912.8	1900.2	1892.7	1886.8
32.5°	1856.7	1850.9	1835.0	1821.6	1817.4
35°	1788.9	1783.1	1762.2	1746.3	1739.6
37.5°	1723.7	1710.3	1682.7	1666.8	1659.2
40°	1647.5	1630.8	1602.4	1580.6	1577.2
42.5°	1565.5	1552.1	1515.3	1499.4	1495.2
45°	1478.5	1462.6	1435.0	1418.3	1405.7
47.5°	1393.2	1381.5	1349.7	1329.6	1325.4
50°	1303.6	1293.6	1261.0	1239.2	1231.7
52.5°	1210.8	1204.1	1176.5	1148.8	1139.6
55°	1114.5	1111.2	1076.9	1045.1	1034.2
57.5°	1020.0	1015.8	973.1	936.3	926.3
60°	921.2	908.7	866.9	832.6	821.7
62.5°	827.5	800.8	755.6	728.8	716.2
65°	720.4	694.5	654.3	625.9	621.7
67.5°	615.0	584.0	553.1	535.5	522.1
70°	505.4	484.5	461.0	446.0	443.5
72.5°	403.3	388.2	376.5	367.3	359.8
75°	305.4	302.9	298.7	298.7	290.3
77.5°	224.2	230.1	233.4	232.6	234.3
80°	155.6	167.3	174.0	174.9	174.0
82.5°	98.7	112.1	123.0	124.7	126.3
85°	57.7	67.8	74.5	76.1	74.5
87.5°	25.9	32.6	34.3	36.0	34.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)