

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: P737956

Luminaire Tested: **14PT-70-PL1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737956
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-70-PL1-L935
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

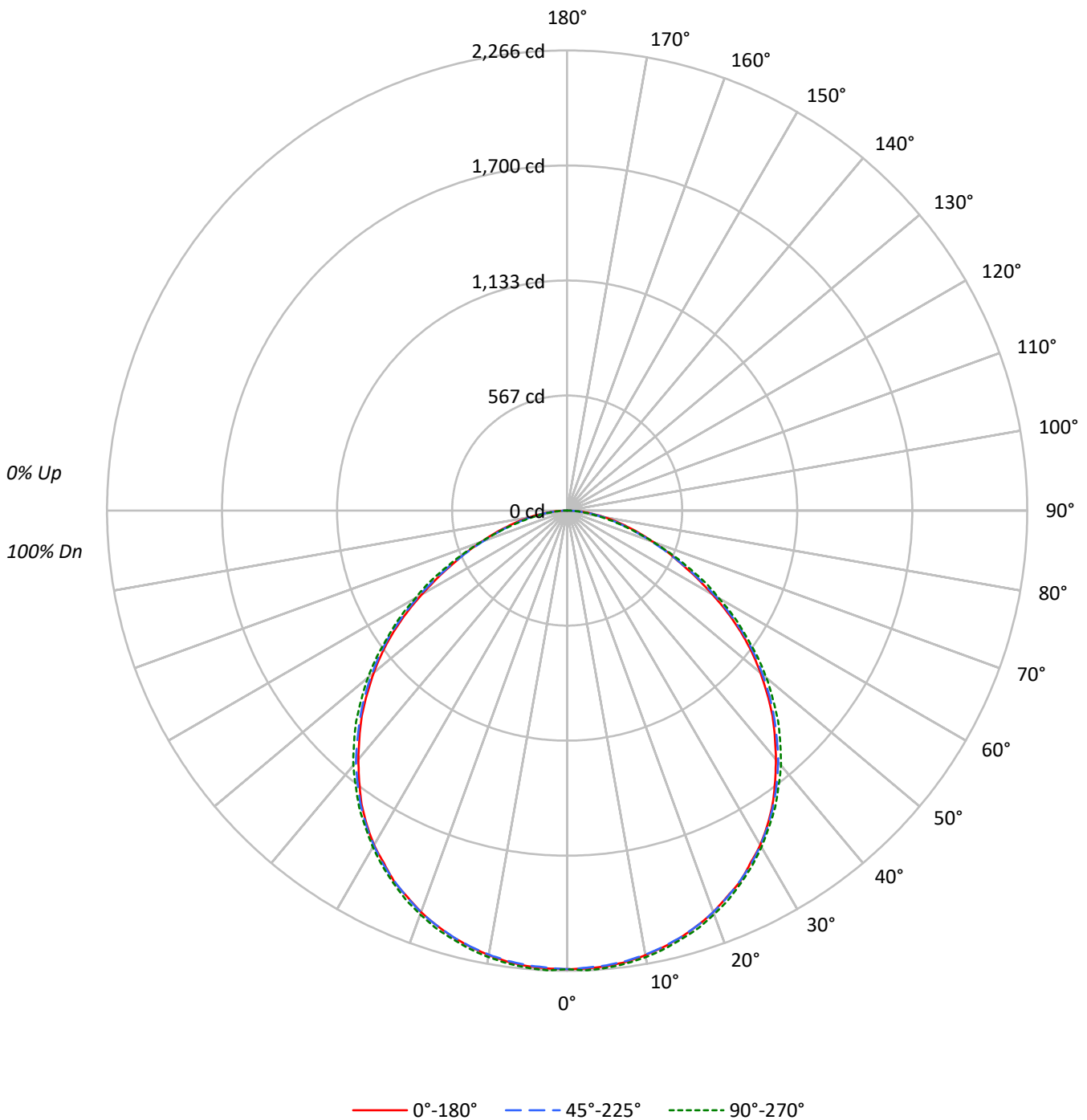
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5953.0 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
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_{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

TEST NUMBER: P737956
CATALOG NUMBER: 14PT-70-PL1-L935

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	96	98	95	93		94	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49		60	53	48		58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6771	6771	6771
5°	6776	6764	6802
10°	6768	6760	6799
15°	6747	6744	6778
20°	6714	6714	6751
25°	6668	6659	6695
30°	6584	6593	6625
35°	6458	6483	6535
40°	6258	6330	6412
45°	6063	6113	6230
50°	5795	5858	5975
55°	5458	5546	5611
60°	4952	5057	5182
65°	4398	4446	4624
70°	3931	3851	3946
75°	3547	3344	3276
80°	3222	2990	2659
85°	2735	2477	2129



TEST NUMBER: P737956

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.2	3.6
10°-20°	614.4	10.3
20°-30°	929.4	15.6
30°-40°	1107.8	18.6
40°-50°	1114.0	18.7
50°-60°	945.4	15.9
60°-70°	629.5	10.6
70°-80°	314.3	5.3
80°-90°	84.1	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°	1758.0	29.5
0°-40°	2865.8	48.1
0°-60°	4925.1	82.7
0°-90°	5953.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5953.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2258	2258	2258	2258	2258	
5°	2252	2252	2247	2258	2260	214
15°	2174	2176	2173	2182	2184	613
25°	2016	2016	2013	2022	2024	927
35°	1765	1766	1771	1784	1786	1101
45°	1430	1432	1442	1461	1469	1100
55°	1044	1052	1061	1071	1074	931
65°	620	625	627	636	652	621
75°	306	302	289	282	283	329
85°	80	78	72	68	62	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2258.3	2258.3	2258.3	2258.3	2258.3
2.5°	2256.6	2258.3	2252.4	2263.3	2265.8
5°	2251.6	2252.4	2247.4	2257.5	2260.0
7.5°	2240.7	2241.6	2236.5	2247.4	2249.1
10°	2223.1	2224.8	2220.6	2230.7	2233.2
12.5°	2200.6	2203.1	2198.9	2209.8	2211.4
15°	2173.8	2176.3	2172.9	2182.1	2183.8
17.5°	2141.2	2142.8	2141.2	2149.5	2154.5
20°	2104.3	2104.3	2104.3	2111.9	2116.0
22.5°	2058.3	2062.5	2060.8	2070.9	2075.1
25°	2015.6	2015.6	2013.1	2022.3	2024.0
27.5°	1956.2	1962.9	1962.1	1970.5	1972.1
30°	1901.9	1903.5	1904.4	1910.2	1913.6
32.5°	1835.8	1837.4	1839.9	1848.3	1849.1
35°	1764.6	1766.3	1771.3	1783.9	1785.5
37.5°	1681.8	1691.0	1695.2	1708.6	1710.2
40°	1599.0	1604.8	1617.4	1631.6	1638.3
42.5°	1514.5	1521.1	1528.7	1547.9	1553.8
45°	1429.9	1432.5	1441.7	1460.9	1469.3
47.5°	1336.2	1343.8	1352.1	1368.9	1373.9
50°	1242.5	1250.9	1255.9	1271.0	1281.0
52.5°	1148.0	1155.5	1161.4	1170.6	1180.6
55°	1044.2	1051.7	1061.0	1071.0	1073.5
57.5°	938.8	947.2	953.0	963.9	974.8
60°	825.8	835.0	843.4	853.4	864.3
62.5°	720.4	724.6	733.0	749.7	765.6
65°	620.0	625.0	626.7	635.9	651.8
67.5°	536.3	536.3	528.8	532.2	549.7
70°	448.5	445.1	439.3	435.9	450.2
72.5°	377.4	373.2	360.6	354.8	362.3
75°	306.2	302.1	288.7	282.0	282.8
77.5°	246.0	239.3	228.4	216.7	214.2
80°	186.6	184.1	173.2	162.3	154.0
82.5°	132.2	126.3	120.5	113.8	107.1
85°	79.5	77.8	72.0	67.8	61.9
87.5°	32.6	32.6	31.0	29.3	27.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)