

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: P737878

Luminaire Tested: **14PT-50-PR1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737878
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-50-PR1-L950
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

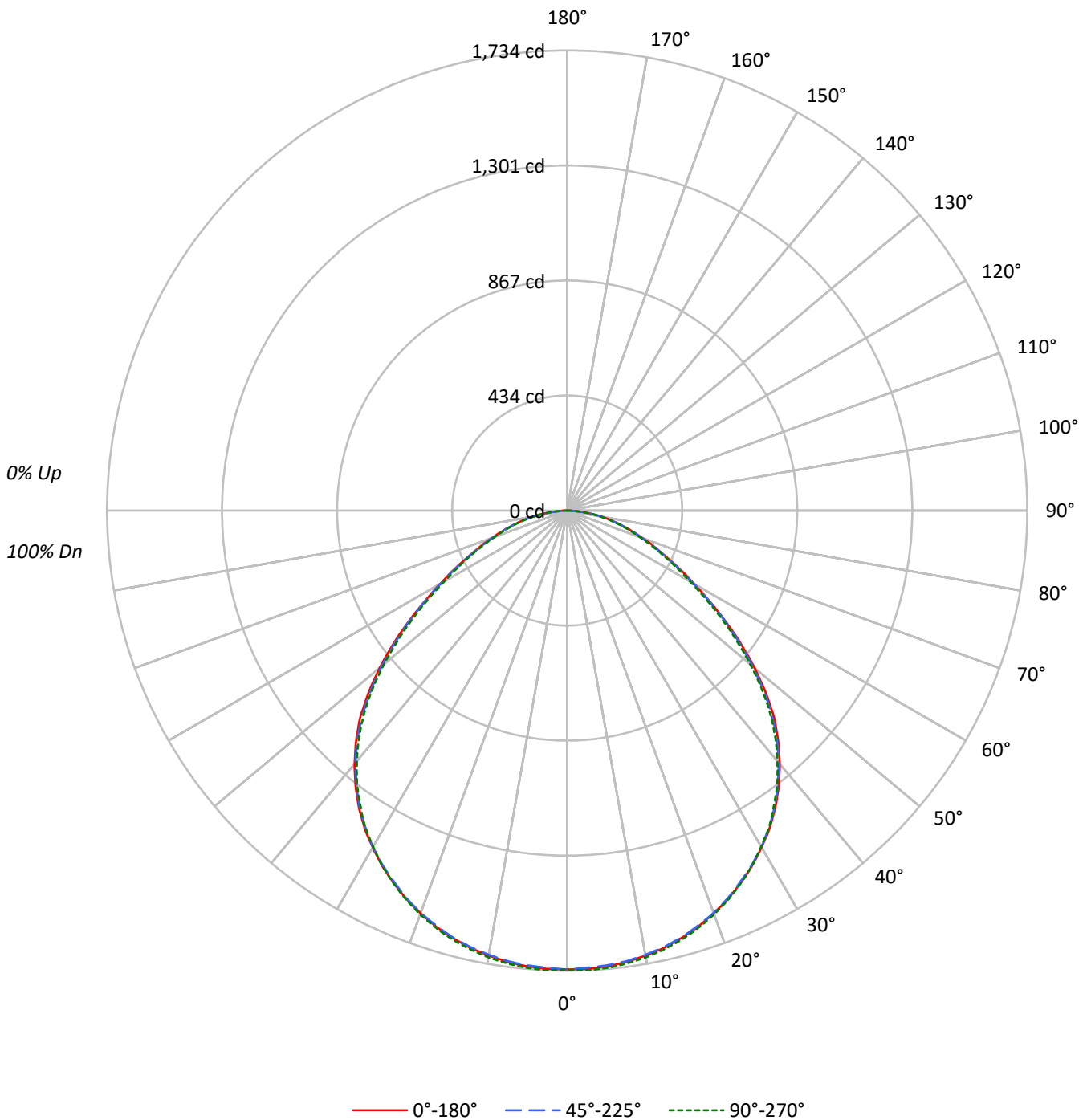
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4373.0 lumens
Efficiency: N/A
Efficacy: 106.9 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): 40.9
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

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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°	5184	5184	5184
5°	5189	5178	5206
10°	5185	5175	5204
15°	5175	5167	5192
20°	5153	5147	5167
25°	5119	5107	5125
30°	5074	5068	5061
35°	5004	4993	4972
40°	4878	4858	4824
45°	4675	4622	4588
50°	4301	4252	4200
55°	3806	3790	3716
60°	3307	3296	3207
65°	2915	2897	2840
70°	2646	2608	2553
75°	2448	2391	2348
80°	2236	2205	2129
85°	1768	1747	1686



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.0	3.8
10°-20°	470.8	10.8
20°-30°	713.2	16.3
30°-40°	851.4	19.5
40°-50°	837.3	19.1
50°-60°	647.1	14.8
60°-70°	408.1	9.3
70°-80°	220.7	5.0
80°-90°	60.3	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°	1348.0	30.8
0°-40°	2199.4	50.3
0°-60°	3683.9	84.2
0°-90°	4373.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4373.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1729	1729	1729	1729	1729	
5°	1724	1725	1720	1728	1730	164
15°	1667	1668	1665	1670	1673	471
25°	1548	1549	1544	1549	1549	713
35°	1367	1368	1364	1362	1358	854
45°	1103	1098	1090	1082	1082	844
55°	728	734	725	713	711	653
65°	411	412	408	402	400	413
75°	211	209	206	208	203	225
85°	51	52	51	51	49	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1729.1	1729.1	1729.1	1729.1	1729.1
2.5°	1728.5	1729.1	1724.2	1732.2	1734.1
5°	1724.2	1724.8	1720.5	1727.9	1729.8
7.5°	1715.5	1716.7	1712.4	1719.8	1721.7
10°	1703.1	1704.4	1700.0	1707.5	1709.3
12.5°	1687.6	1688.2	1684.5	1691.3	1693.2
15°	1667.2	1667.8	1664.7	1670.3	1672.7
17.5°	1643.6	1644.2	1639.9	1646.7	1648.0
20°	1615.1	1615.7	1613.2	1618.8	1619.4
22.5°	1583.5	1584.7	1581.0	1586.0	1586.6
25°	1547.6	1548.8	1543.8	1548.8	1549.4
27.5°	1509.7	1510.4	1506.0	1509.7	1509.1
30°	1465.7	1469.5	1463.9	1462.6	1462.0
32.5°	1419.9	1420.5	1414.9	1413.7	1416.2
35°	1367.2	1367.8	1364.1	1362.2	1358.5
37.5°	1309.6	1309.6	1302.7	1301.5	1300.9
40°	1246.3	1245.7	1241.4	1237.1	1232.7
42.5°	1177.6	1178.8	1170.1	1162.7	1161.4
45°	1102.6	1098.2	1090.2	1081.5	1082.1
47.5°	1013.9	1015.2	1004.0	997.2	995.3
50°	922.2	922.2	911.7	904.2	900.5
52.5°	826.1	826.8	816.8	806.9	805.1
55°	728.2	734.4	725.1	713.3	710.9
57.5°	636.5	641.5	632.8	620.4	619.8
60°	551.6	552.2	549.7	538.0	534.9
62.5°	479.1	476.0	474.7	468.5	464.8
65°	410.9	411.5	408.4	401.6	400.4
67.5°	355.7	355.1	349.5	345.2	342.7
70°	301.8	300.0	297.5	293.8	291.3
72.5°	253.5	253.5	251.6	250.4	246.0
75°	211.3	208.9	206.4	207.6	202.7
77.5°	171.1	168.6	166.7	164.2	163.0
80°	129.5	127.1	127.7	124.0	123.3
82.5°	89.9	89.9	88.6	85.5	86.1
85°	51.4	52.1	50.8	51.4	49.0
87.5°	18.6	19.2	20.5	19.2	19.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)