

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: P737804

Luminaire Tested: **14PT-40-PB1-L935**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737804  
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-40-PB1-L935  
Description: 5000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS

Light Source: -  
Ballast/Driver: -

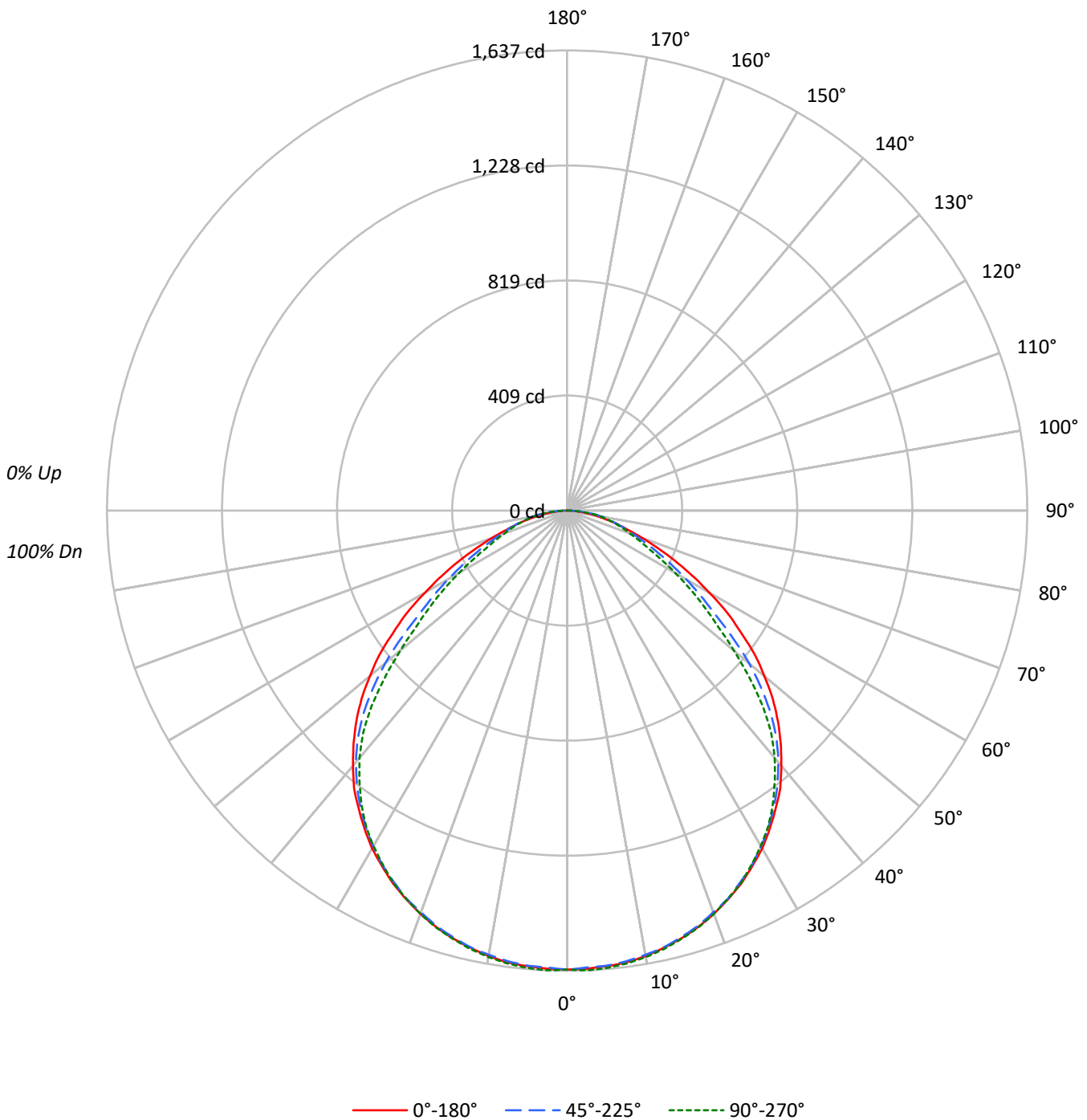
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4072.0 lumens  
Efficiency: N/A  
Efficacy: 99.6 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): 40.9  
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	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	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°	4896	4896	4896
5°	4896	4890	4915
10°	4898	4886	4910
15°	4888	4876	4894
20°	4871	4851	4871
25°	4844	4824	4837
30°	4805	4777	4770
35°	4735	4698	4668
40°	4638	4575	4496
45°	4497	4352	4173
50°	4272	3944	3607
55°	3937	3349	3108
60°	3505	2927	2662
65°	3006	2536	2266
70°	2482	2236	2077
75°	2094	2141	2025
80°	1768	2184	2080
85°	1383	2212	1933



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.8	3.8
10°-20°	444.3	10.9
20°-30°	673.0	16.5
30°-40°	802.0	19.7
40°-50°	784.2	19.3
50°-60°	593.2	14.6
60°-70°	364.4	8.9
70°-80°	194.2	4.8
80°-90°	61.9	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°	1272.2	31.2
0°-40°	2074.1	50.9
0°-60°	3451.5	84.8
0°-90°	4072.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4072.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1633	1633	1633	1633	1633	
5°	1627	1629	1625	1631	1633	155
15°	1575	1577	1571	1577	1577	444
25°	1464	1462	1458	1460	1462	674
35°	1294	1292	1284	1278	1276	809
45°	1061	1054	1026	992	984	816
55°	753	715	641	605	595	674
65°	424	390	358	329	319	422
75°	181	183	185	179	175	194
85°	40	52	64	60	56	48
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1633.0	1633.0	1633.0	1633.0	1633.0
2.5°	1631.0	1633.0	1627.0	1635.0	1637.0
5°	1627.0	1629.0	1625.0	1631.0	1633.0
7.5°	1621.0	1621.0	1617.0	1623.0	1625.0
10°	1608.9	1608.9	1604.9	1610.9	1612.9
12.5°	1592.9	1592.9	1590.9	1594.9	1596.9
15°	1574.8	1576.8	1570.8	1576.8	1576.8
17.5°	1552.7	1550.7	1548.7	1552.7	1554.7
20°	1526.6	1526.6	1520.5	1524.6	1526.6
22.5°	1496.4	1496.4	1494.4	1496.4	1494.4
25°	1464.3	1462.3	1458.3	1460.3	1462.3
27.5°	1426.1	1426.1	1422.1	1422.1	1420.1
30°	1388.0	1386.0	1379.9	1375.9	1377.9
32.5°	1341.8	1339.8	1333.7	1329.7	1331.7
35°	1293.6	1291.6	1283.5	1277.5	1275.5
37.5°	1245.4	1239.3	1229.3	1221.3	1213.2
40°	1185.1	1179.1	1169.0	1151.0	1148.9
42.5°	1124.8	1118.8	1102.7	1080.7	1074.6
45°	1060.6	1054.5	1026.4	992.3	984.2
47.5°	992.3	982.2	938.0	895.9	879.8
50°	915.9	897.9	845.6	791.4	773.3
52.5°	841.6	809.5	741.2	693.0	674.9
55°	753.2	715.1	640.8	604.6	594.6
57.5°	674.9	622.7	562.4	526.3	518.2
60°	584.5	536.3	488.1	456.0	443.9
62.5°	502.2	460.0	419.8	391.7	377.6
65°	423.8	389.7	357.5	329.4	319.4
67.5°	347.5	329.4	303.3	281.2	275.2
70°	283.2	273.2	255.1	245.1	237.0
72.5°	225.0	229.0	216.9	212.9	206.9
75°	180.8	182.8	184.8	178.8	174.8
77.5°	136.6	146.6	154.7	150.6	146.6
80°	102.4	112.5	126.5	120.5	120.5
82.5°	70.3	82.4	94.4	90.4	88.4
85°	40.2	52.2	64.3	60.3	56.2
87.5°	16.1	26.1	28.1	28.1	26.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)