

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1050202

Luminaire Tested: PTR-14-40-PC3-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050202
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-40-PC3-L850-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

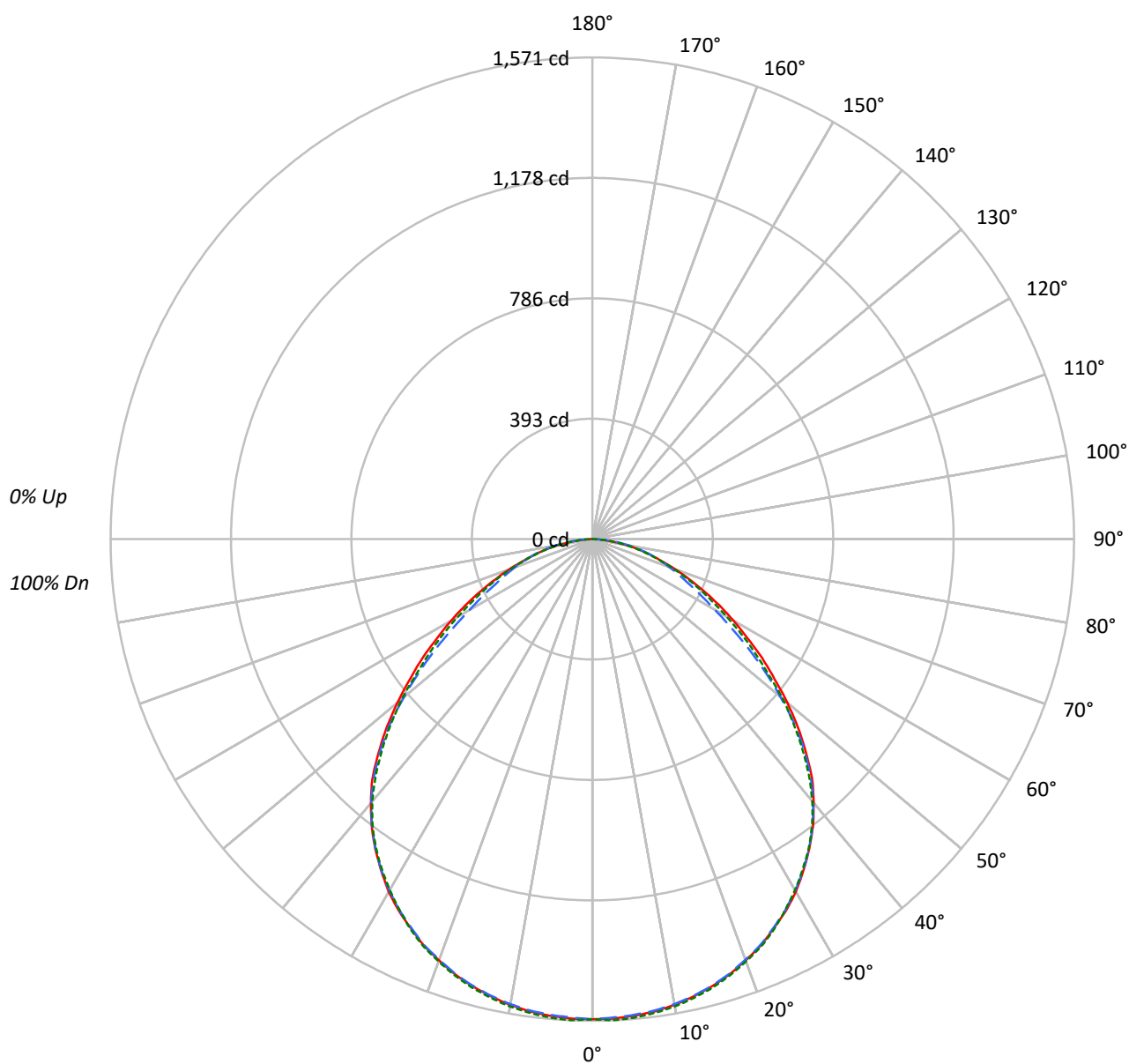
Lumens per Lamp: N/A
Luminaire Lumens: 3948.4 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4214	4214	4214
5°	4216	4208	4232
10°	4215	4207	4230
15°	4205	4201	4220
20°	4186	4180	4198
25°	4158	4151	4168
30°	4127	4113	4106
35°	4052	4048	4041
40°	3945	3939	3921
45°	3752	3724	3686
50°	3473	3356	3394
55°	3169	2912	3043
60°	2858	2484	2725
65°	2554	2222	2451
70°	2266	2102	2203
75°	2004	2038	1964
80°	1728	1946	1719
85°	1294	1541	1294

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3760 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.5	3.8
10°-20°	426.4	10.8
20°-30°	645.5	16.3
30°-40°	769.6	19.5
40°-50°	752.0	19.0
50°-60°	575.0	14.6
60°-70°	369.2	9.4
70°-80°	205.4	5.2
80°-90°	56.7	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°	1220.4	30.9
0°-40°	1990.0	50.4
0°-60°	3317.1	84.0
0°-90°	3948.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3948.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1566	1566	1566	1566	1566	
5°	1561	1562	1558	1565	1567	148
15°	1510	1511	1508	1513	1515	426
25°	1400	1402	1398	1403	1404	646
35°	1234	1235	1232	1232	1230	771
45°	986	988	978	976	969	759
55°	676	652	621	628	649	604
65°	401	370	349	361	385	400
75°	193	194	196	193	189	206
85°	42	49	50	48	42	52
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1566.1	1566.1	1566.1	1566.1	1566.1
2.5°	1565.1	1565.7	1561.6	1568.3	1570.6
5°	1560.6	1561.6	1557.8	1565.1	1566.7
7.5°	1553.9	1554.9	1551.0	1558.4	1559.0
10°	1542.7	1543.3	1539.8	1547.2	1548.2
12.5°	1527.6	1529.3	1525.4	1532.1	1532.5
15°	1509.5	1510.7	1507.9	1513.0	1514.6
17.5°	1488.4	1489.0	1486.1	1491.6	1492.2
20°	1461.9	1461.9	1459.7	1466.0	1466.0
22.5°	1435.0	1433.4	1432.8	1435.0	1438.5
25°	1400.4	1402.1	1398.2	1402.7	1403.7
27.5°	1366.9	1366.9	1363.4	1365.6	1362.8
30°	1328.2	1325.9	1323.7	1324.1	1321.5
32.5°	1281.6	1281.6	1280.6	1280.6	1277.1
35°	1233.5	1234.6	1232.3	1231.7	1230.1
37.5°	1181.9	1183.7	1179.6	1178.6	1177.4
40°	1123.0	1123.0	1121.4	1119.2	1116.3
42.5°	1062.0	1062.0	1054.9	1049.2	1045.3
45°	985.9	988.1	978.5	976.3	968.6
47.5°	910.1	908.5	895.7	894.1	889.6
50°	829.6	820.0	801.7	806.6	810.6
52.5°	749.0	737.2	710.3	715.8	722.5
55°	675.5	652.1	620.7	628.5	648.6
57.5°	598.8	567.4	536.1	550.7	575.8
60°	531.0	495.8	461.6	477.3	506.4
62.5°	466.1	428.6	401.1	416.2	440.8
65°	401.1	370.2	349.0	360.6	384.9
67.5°	341.7	321.0	306.5	312.0	331.5
70°	288.0	275.0	267.2	268.9	280.0
72.5°	236.9	233.6	230.8	230.8	231.8
75°	192.7	194.4	196.0	193.3	188.9
77.5°	151.8	157.3	161.4	155.7	150.2
80°	111.5	120.5	125.6	119.3	110.9
82.5°	76.1	86.3	87.9	84.1	74.5
85°	41.9	49.3	49.9	48.2	41.9
87.5°	15.7	18.5	20.1	18.5	16.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)