

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: P1050149

Luminaire Tested: PTR-14-80-PB1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050149
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PB1-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

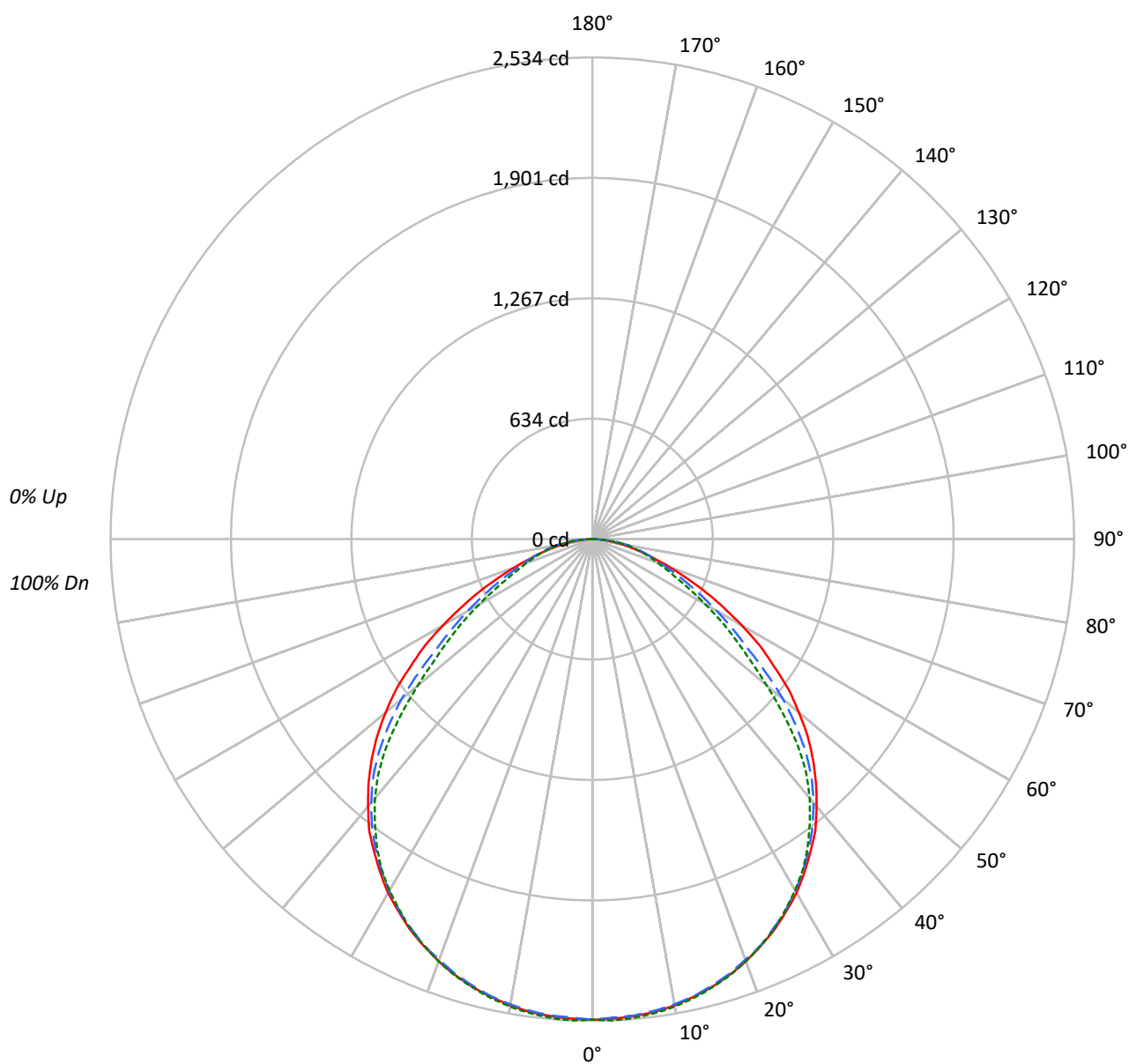
Lumens per Lamp: N/A
Luminaire Lumens: 6304.4 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 71
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	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	88	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	75	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	64	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	56	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	49	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	44	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	39	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	35	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	32	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6804	6804	6804
5°	6804	6796	6830
10°	6807	6790	6824
15°	6792	6775	6801
20°	6768	6742	6768
25°	6731	6703	6722
30°	6677	6639	6628
35°	6579	6528	6488
40°	6445	6358	6248
45°	6248	6047	5799
50°	5937	5481	5012
55°	5471	4655	4318
60°	4871	4068	3698
65°	4178	3526	3149
70°	3450	3108	2888
75°	2909	2974	2815
80°	2459	3036	2893
85°	1927	3075	2692

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6248 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.7	3.8
10°-20°	687.9	10.9
20°-30°	1042.0	16.5
30°-40°	1241.6	19.7
40°-50°	1214.1	19.3
50°-60°	918.4	14.6
60°-70°	564.2	8.9
70°-80°	300.6	4.8
80°-90°	95.9	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°	1969.6	31.2
0°-40°	3211.1	50.9
0°-60°	5343.6	84.8
0°-90°	6304.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6304.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2528	2528	2528	2528	2528	
5°	2519	2522	2516	2525	2528	240
15°	2438	2441	2432	2441	2441	688
25°	2267	2264	2258	2261	2264	1044
35°	2003	2000	1987	1978	1975	1253
45°	1642	1633	1589	1536	1524	1263
55°	1166	1107	992	936	920	1044
65°	656	603	554	510	495	653
75°	280	283	286	277	271	300
85°	62	81	100	93	87	75
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2528.3	2528.3	2528.3	2528.3	2528.3
2.5°	2525.3	2528.3	2518.8	2531.5	2534.5
5°	2518.8	2522.0	2515.8	2525.3	2528.3
7.5°	2509.6	2509.6	2503.4	2512.6	2515.8
10°	2491.0	2491.0	2484.8	2494.0	2497.2
12.5°	2466.2	2466.2	2463.0	2469.2	2472.4
15°	2438.1	2441.1	2431.9	2441.1	2441.1
17.5°	2403.9	2400.9	2397.7	2403.9	2407.1
20°	2363.4	2363.4	2354.2	2360.4	2363.4
22.5°	2316.7	2316.7	2313.8	2316.7	2313.8
25°	2267.1	2263.8	2257.6	2260.9	2263.8
27.5°	2208.0	2208.0	2201.8	2201.8	2198.5
30°	2148.9	2145.6	2136.5	2130.3	2133.2
32.5°	2077.4	2074.1	2065.0	2058.8	2061.7
35°	2002.6	1999.7	1987.3	1977.8	1974.9
37.5°	1928.2	1918.7	1903.0	1890.6	1878.2
40°	1834.8	1825.3	1810.0	1781.9	1778.7
42.5°	1741.4	1732.3	1707.2	1673.2	1663.7
45°	1641.9	1632.7	1589.0	1536.1	1523.7
47.5°	1536.1	1520.7	1452.2	1386.9	1362.1
50°	1418.2	1390.1	1309.2	1225.3	1197.2
52.5°	1303.0	1253.4	1147.6	1072.8	1045.1
55°	1166.2	1107.1	992.2	936.0	920.3
57.5°	1045.1	964.1	870.7	814.9	802.5
60°	905.0	830.2	755.8	705.8	687.2
62.5°	777.3	712.1	650.0	606.3	584.7
65°	656.2	603.3	553.7	510.0	494.6
67.5°	538.0	510.0	469.5	435.5	426.1
70°	438.5	422.8	395.0	379.4	367.0
72.5°	348.4	354.6	335.9	329.7	320.3
75°	279.8	283.1	286.0	276.9	270.7
77.5°	211.6	226.9	239.3	233.1	226.9
80°	158.7	174.0	195.9	186.7	186.7
82.5°	108.7	127.7	146.3	140.1	136.8
85°	62.4	81.0	99.6	93.4	87.2
87.5°	24.8	40.5	43.4	43.4	40.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)