

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: P1050401

Luminaire Tested: PTR-14-40-PR1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050401
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-40-PR1-L940-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

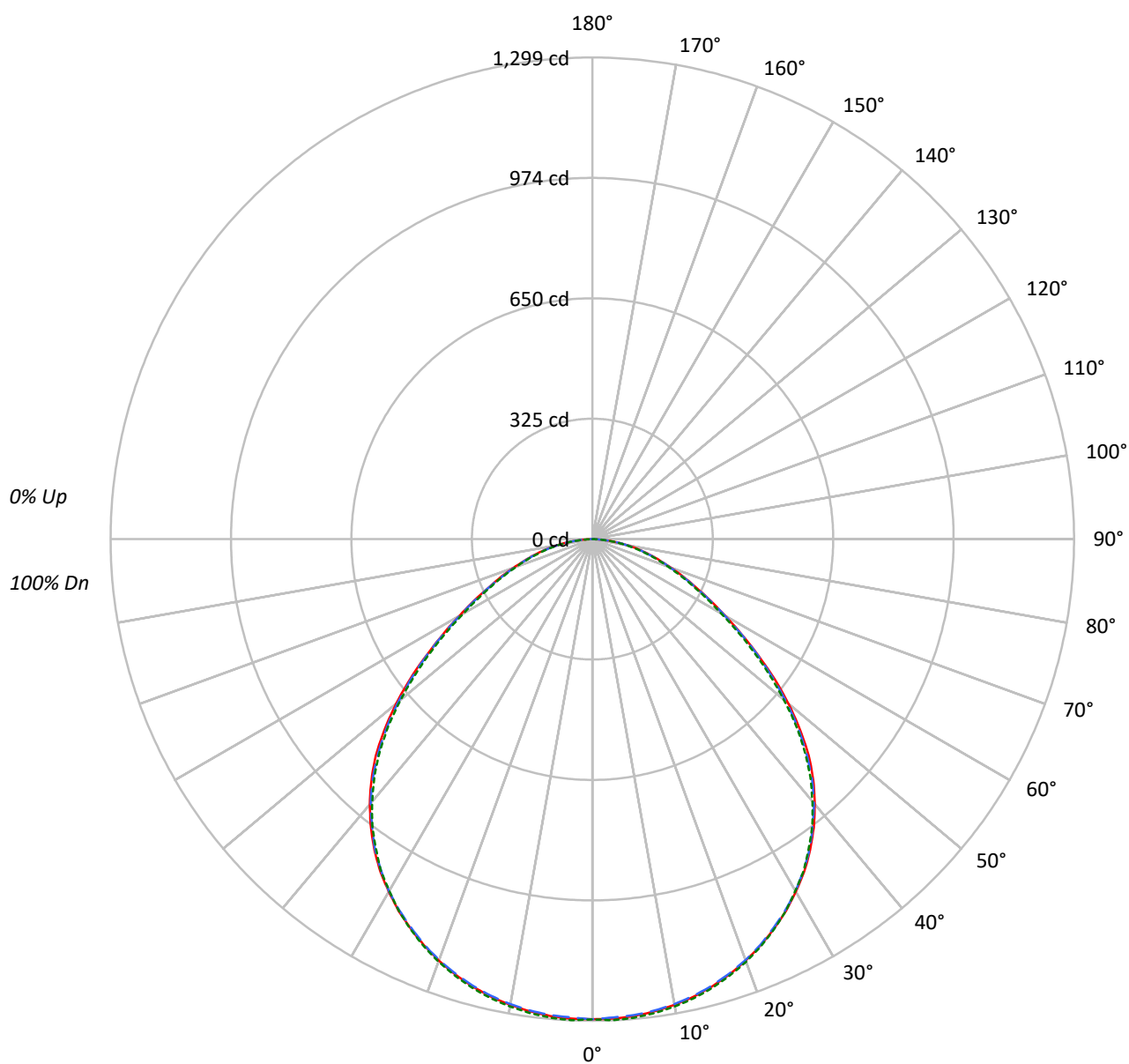
Lumens per Lamp: N/A
Luminaire Lumens: 3274.8 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	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°	3485	3485	3485
5°	3488	3480	3499
10°	3485	3479	3498
15°	3478	3473	3490
20°	3464	3460	3473
25°	3441	3433	3445
30°	3411	3407	3402
35°	3364	3356	3342
40°	3279	3266	3243
45°	3142	3107	3084
50°	2891	2858	2823
55°	2559	2548	2498
60°	2223	2215	2155
65°	1960	1948	1909
70°	1778	1753	1717
75°	1646	1607	1578
80°	1503	1481	1432
85°	1186	1176	1130

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3142 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.8	3.8
10°-20°	352.6	10.8
20°-30°	534.1	16.3
30°-40°	637.6	19.5
40°-50°	627.0	19.1
50°-60°	484.6	14.8
60°-70°	305.6	9.3
70°-80°	165.3	5.0
80°-90°	45.1	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°	1009.5	30.8
0°-40°	1647.1	50.3
0°-60°	2758.8	84.2
0°-90°	3274.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3274.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1295	1295	1295	1295	1295	
5°	1291	1292	1288	1294	1295	123
15°	1248	1249	1247	1251	1253	352
25°	1159	1160	1156	1160	1160	534
35°	1024	1024	1022	1020	1017	639
45°	826	822	816	810	810	632
55°	545	550	543	534	532	489
65°	308	308	306	301	300	310
75°	158	156	155	156	152	168
85°	38	39	38	38	37	46
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1294.9	1294.9	1294.9	1294.9	1294.9
2.5°	1294.4	1294.9	1291.2	1297.3	1298.6
5°	1291.2	1291.7	1288.3	1293.9	1295.4
7.5°	1284.6	1285.6	1282.4	1288.0	1289.3
10°	1275.4	1276.4	1273.2	1278.7	1280.1
12.5°	1263.9	1264.2	1261.5	1266.6	1267.9
15°	1248.5	1248.9	1246.7	1250.7	1252.6
17.5°	1230.8	1231.3	1228.1	1233.2	1234.0
20°	1209.6	1209.9	1208.1	1212.3	1212.8
22.5°	1185.8	1186.8	1184.0	1187.7	1188.2
25°	1159.0	1159.8	1156.1	1159.8	1160.3
27.5°	1130.7	1131.0	1127.8	1130.7	1130.2
30°	1097.6	1100.5	1096.3	1095.3	1094.9
32.5°	1063.4	1063.7	1059.7	1058.7	1060.5
35°	1023.9	1024.3	1021.6	1020.2	1017.3
37.5°	980.8	980.8	975.5	974.7	974.2
40°	933.4	932.9	929.7	926.5	923.1
42.5°	881.8	882.8	876.2	870.6	869.8
45°	825.6	822.4	816.3	809.9	810.4
47.5°	759.3	760.2	751.9	746.7	745.3
50°	690.5	690.5	682.8	677.2	674.4
52.5°	618.7	619.2	611.8	604.4	602.9
55°	545.4	549.9	543.0	534.2	532.4
57.5°	476.7	480.4	473.9	464.6	464.1
60°	413.1	413.5	411.6	402.9	400.5
62.5°	358.8	356.5	355.5	350.9	348.1
65°	307.8	308.3	305.9	300.7	299.8
67.5°	266.4	265.9	261.7	258.5	256.7
70°	226.0	224.6	222.8	220.1	218.2
72.5°	189.9	189.9	188.4	187.5	184.3
75°	158.3	156.5	154.6	155.5	151.8
77.5°	128.2	126.3	124.8	122.9	122.1
80°	97.0	95.1	95.6	92.7	92.4
82.5°	67.3	67.3	66.4	64.1	64.6
85°	38.4	39.0	38.1	38.4	36.6
87.5°	14.0	14.3	15.3	14.3	14.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)