

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: P1050103

Luminaire Tested: PTR-14-40-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050103
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-40-L840-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

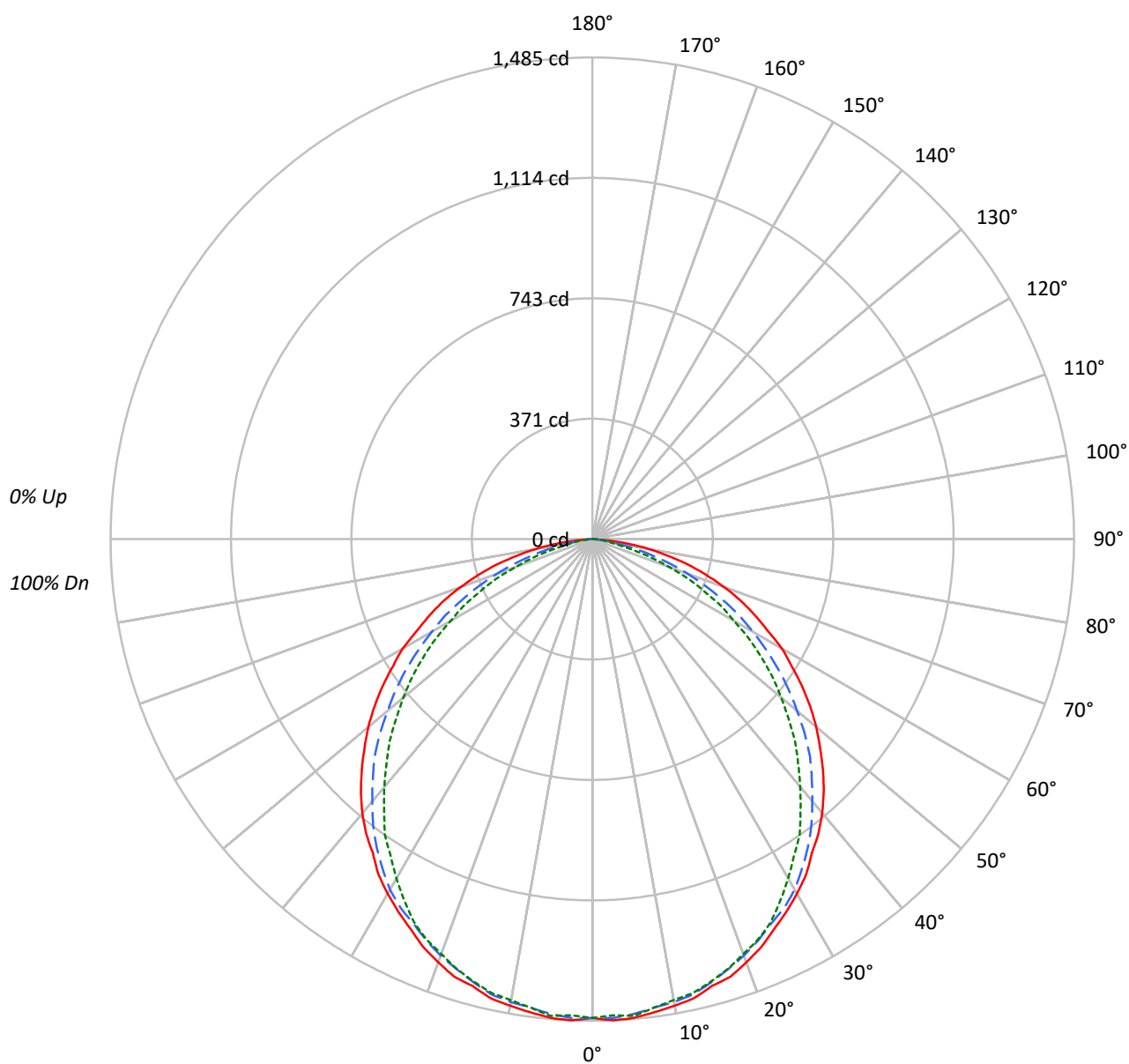
Lumens per Lamp: N/A
Luminaire Lumens: 3932.4 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050103

CATALOG NUMBER: PTR-14-40-L840-UNV-STD-W

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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3973	3973	3973
5°	4002	3969	3985
10°	3991	3960	3943
15°	3973	3942	3934
20°	3976	3913	3898
25°	3937	3880	3866
30°	3921	3877	3751
35°	3876	3807	3660
40°	3873	3706	3503
45°	3825	3611	3363
50°	3773	3449	3180
55°	3700	3288	2987
60°	3634	3076	2711
65°	3510	2822	2424
70°	3397	2456	1979
75°	3191	1938	1362
80°	2766	1172	818
85°	1846	843	787

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3825 cd/sqm

TEST NUMBER: P1050103

CATALOG NUMBER: PTR-14-40-L840-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.9	3.6
10°-20°	400.4	10.2
20°-30°	604.9	15.4
30°-40°	719.2	18.3
40°-50°	729.4	18.5
50°-60°	633.4	16.1
60°-70°	449.6	11.4
70°-80°	214.9	5.5
80°-90°	40.7	1.0
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°	1145.3	29.1
0°-40°	1864.4	47.4
0°-60°	3227.2	82.1
0°-90°	3932.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3932.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1476	1476	1476	1476	1476	
5°	1482	1476	1469	1473	1475	141
15°	1426	1430	1415	1413	1412	404
25°	1326	1324	1307	1312	1302	612
35°	1180	1178	1159	1119	1114	741
45°	1005	996	949	899	884	775
55°	789	765	701	660	637	705
65°	551	510	443	396	381	546
75°	307	251	186	148	131	322
85°	60	32	27	26	26	75
90°	0	0	0	0	0	

TEST NUMBER: P1050103

CATALOG NUMBER: PTR-14-40-L840-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1476.3	1476.3	1476.3	1476.3	1476.3
2.5°	1485.1	1479.8	1478.1	1484.2	1469.3
5°	1481.6	1476.3	1469.3	1472.8	1475.4
7.5°	1471.0	1466.7	1457.0	1464.9	1457.0
10°	1460.5	1456.1	1449.1	1451.7	1442.9
12.5°	1449.9	1439.4	1437.6	1439.4	1433.2
15°	1426.2	1429.7	1414.8	1413.0	1412.1
17.5°	1414.8	1406.0	1390.2	1391.0	1389.3
20°	1388.4	1377.8	1366.4	1364.7	1361.1
22.5°	1361.1	1348.8	1338.3	1343.6	1335.6
25°	1326.0	1324.2	1306.6	1311.9	1302.2
27.5°	1295.2	1289.0	1281.1	1269.7	1255.6
30°	1261.8	1255.6	1247.7	1217.8	1207.3
32.5°	1226.6	1219.6	1203.7	1168.6	1157.1
35°	1180.0	1178.2	1158.9	1119.3	1114.1
37.5°	1144.8	1125.5	1109.7	1069.2	1054.3
40°	1102.6	1092.1	1055.1	1016.5	997.1
42.5°	1056.0	1043.7	1001.5	960.2	939.1
45°	1005.0	996.2	948.8	898.6	883.7
47.5°	952.3	944.4	888.1	839.7	820.4
50°	901.3	891.6	823.9	777.3	759.7
52.5°	845.9	830.0	763.2	717.5	700.8
55°	788.7	765.0	700.8	659.5	636.6
57.5°	728.1	706.1	634.8	591.8	573.3
60°	675.3	644.5	571.5	527.6	503.8
62.5°	607.6	581.2	511.7	459.9	448.4
65°	551.3	510.0	443.2	395.7	380.7
67.5°	494.2	445.8	378.1	329.7	321.8
70°	431.7	381.6	312.1	264.7	251.5
72.5°	368.4	319.2	251.5	201.4	193.4
75°	306.9	250.6	186.4	147.7	131.0
77.5°	240.0	189.0	131.0	90.6	80.0
80°	178.5	127.5	75.6	53.6	52.8
82.5°	116.9	73.9	40.4	41.3	39.6
85°	59.8	31.7	27.3	26.4	25.5
87.5°	11.4	12.3	13.2	13.2	13.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)