

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: P1050446

Luminaire Tested: PTR-14-40-PW1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050446
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-40-PW1-L840-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

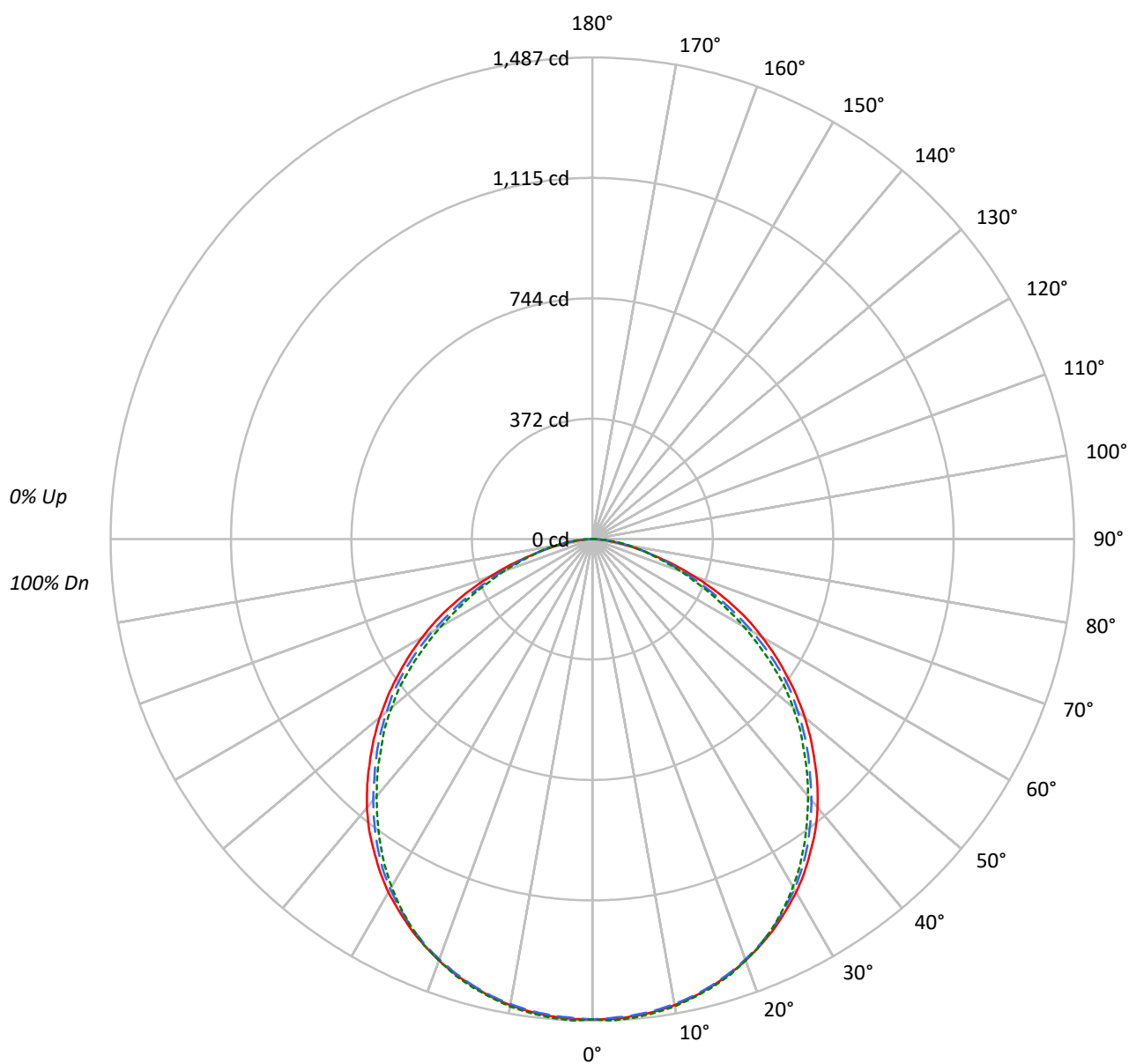
Lumens per Lamp: N/A
Luminaire Lumens: 3935.4 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050446

CATALOG NUMBER: PTR-14-40-PW1-L840-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050446

CATALOG NUMBER: PTR-14-40-PW1-L840-UNV-STD-W

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	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	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	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3990	3990	3990
5°	3994	3985	4006
10°	3992	3983	4003
15°	3980	3974	3989
20°	3964	3954	3964
25°	3942	3925	3922
30°	3912	3878	3850
35°	3859	3801	3753
40°	3800	3697	3638
45°	3695	3586	3513
50°	3584	3466	3386
55°	3434	3318	3186
60°	3256	3064	2904
65°	3012	2736	2600
70°	2611	2382	2292
75°	2085	2039	1983
80°	1584	1770	1770
85°	1170	1510	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3695 cd/sqm

TEST NUMBER: P1050446

CATALOG NUMBER: PTR-14-40-PW1-L840-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.6	3.6
10°-20°	403.4	10.2
20°-30°	609.6	15.5
30°-40°	723.9	18.4
40°-50°	729.3	18.5
50°-60°	630.4	16.0
60°-70°	430.8	10.9
70°-80°	212.4	5.4
80°-90°	55.0	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°	1153.6	29.3
0°-40°	1877.5	47.7
0°-60°	3237.2	82.3
0°-90°	3935.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3935.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1483	1483	1483	1483	1483	
5°	1478	1479	1475	1481	1483	141
15°	1429	1430	1426	1431	1432	403
25°	1328	1326	1322	1323	1321	612
35°	1175	1171	1157	1147	1142	735
45°	971	960	942	931	923	749
55°	732	730	707	686	679	654
65°	473	456	430	411	408	467
75°	200	199	196	196	191	219
85°	38	44	49	50	49	46
90°	0	0	0	0	0	

TEST NUMBER: P1050446

CATALOG NUMBER: PTR-14-40-PW1-L840-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1482.9	1482.9	1482.9	1482.9	1482.9
2.5°	1482.5	1482.9	1479.1	1485.7	1487.3
5°	1478.5	1479.1	1475.3	1481.3	1482.9
7.5°	1471.6	1472.6	1468.2	1474.1	1475.3
10°	1461.0	1461.6	1457.8	1463.8	1465.0
12.5°	1446.8	1447.2	1444.0	1449.4	1449.4
15°	1428.6	1430.2	1426.4	1431.4	1431.8
17.5°	1408.3	1408.9	1405.1	1410.5	1411.7
20°	1384.1	1384.1	1380.9	1385.3	1384.1
22.5°	1357.1	1357.1	1353.3	1355.5	1356.5
25°	1327.6	1326.4	1322.0	1323.2	1321.0
27.5°	1293.4	1293.4	1285.7	1285.7	1281.9
30°	1258.9	1256.1	1247.9	1242.9	1239.1
32.5°	1219.2	1215.4	1205.0	1196.2	1193.4
35°	1174.8	1170.9	1157.1	1146.7	1142.3
37.5°	1131.9	1123.1	1105.0	1094.6	1089.6
40°	1081.8	1070.8	1052.3	1037.9	1035.7
42.5°	1028.1	1019.3	995.1	984.6	982.0
45°	971.0	960.4	942.2	931.3	923.1
47.5°	914.9	907.1	886.3	873.1	870.4
50°	856.0	849.4	828.0	813.8	808.9
52.5°	795.1	790.7	772.5	754.3	748.4
55°	732.0	729.8	707.2	686.3	679.1
57.5°	669.9	667.1	638.9	614.8	608.2
60°	605.0	596.8	569.3	546.7	539.5
62.5°	543.5	525.9	496.2	478.6	470.4
65°	473.0	456.0	429.7	410.9	408.3
67.5°	403.9	383.6	363.2	351.6	342.8
70°	331.8	318.1	302.7	292.9	291.3
72.5°	264.8	255.0	247.2	241.2	236.2
75°	200.5	198.9	196.1	196.1	190.7
77.5°	147.4	151.1	153.3	152.7	153.9
80°	102.2	109.8	114.2	114.8	114.2
82.5°	64.9	73.7	80.9	81.9	83.1
85°	37.9	44.5	48.9	49.9	48.9
87.5°	17.0	21.4	22.6	23.6	22.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)