

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: P1050397

Luminaire Tested: PTR-14-40-PR1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050397
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-L840-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

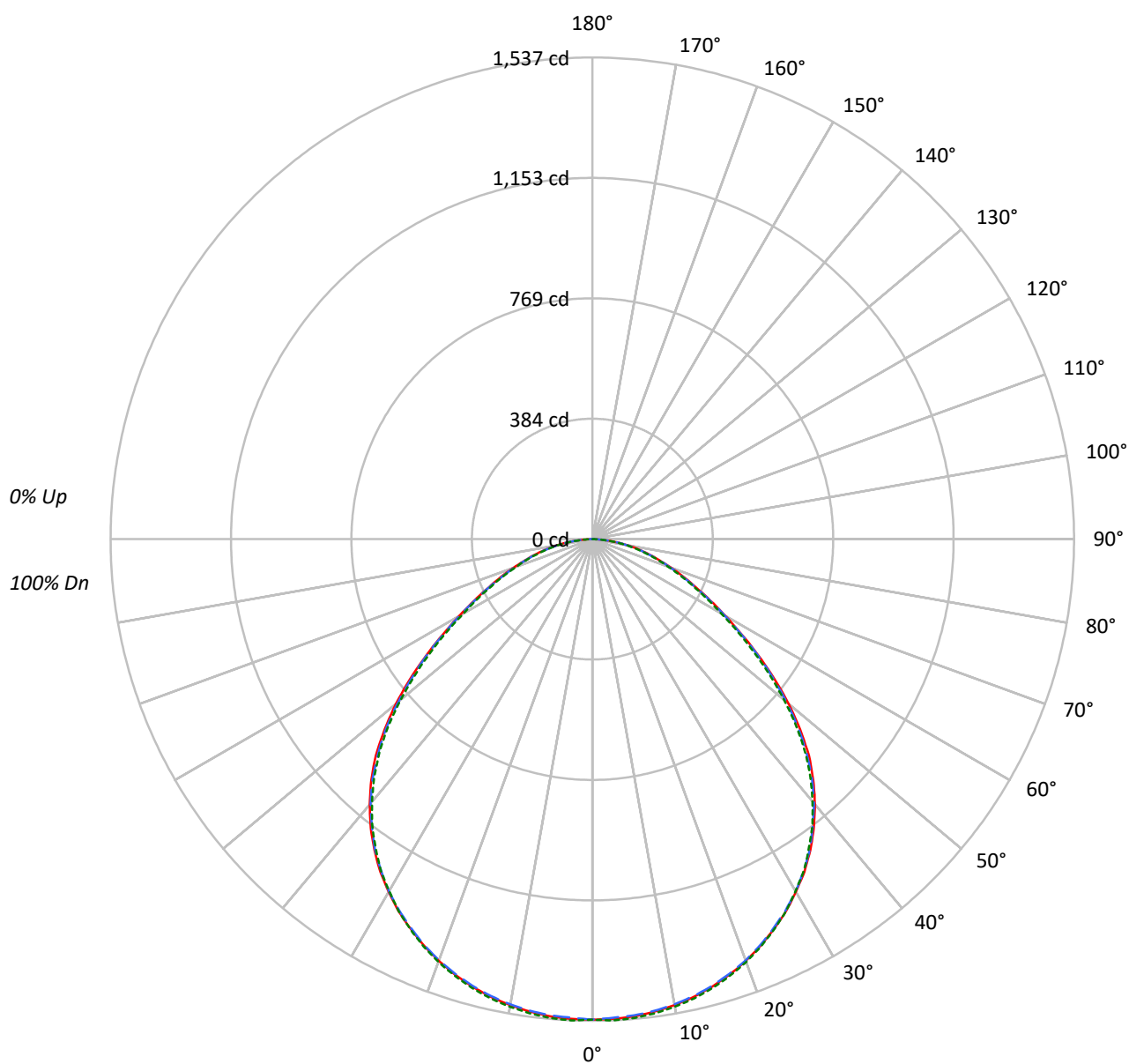
Lumens per Lamp: N/A
Luminaire Lumens: 3877.1 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	4126	4126	4126
5°	4129	4120	4143
10°	4126	4119	4141
15°	4118	4112	4131
20°	4101	4096	4112
25°	4074	4064	4079
30°	4038	4033	4028
35°	3982	3973	3957
40°	3882	3866	3839
45°	3720	3678	3651
50°	3422	3384	3342
55°	3029	3016	2957
60°	2632	2623	2552
65°	2320	2306	2260
70°	2105	2075	2032
75°	1949	1904	1868
80°	1779	1754	1695
85°	1405	1392	1337

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3720 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.4	3.8
10°-20°	417.4	10.8
20°-30°	632.3	16.3
30°-40°	754.9	19.5
40°-50°	742.4	19.1
50°-60°	573.8	14.8
60°-70°	361.8	9.3
70°-80°	195.7	5.0
80°-90°	53.5	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°	1195.1	30.8
0°-40°	1950.0	50.3
0°-60°	3266.1	84.2
0°-90°	3877.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3877.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1533	1533	1533	1533	1533	
5°	1529	1529	1525	1532	1534	145
15°	1478	1479	1476	1481	1483	417
25°	1372	1373	1369	1373	1374	632
35°	1212	1213	1209	1208	1204	757
45°	978	974	966	959	960	748
55°	646	651	643	632	630	579
65°	364	365	362	356	355	367
75°	188	185	183	184	180	199
85°	46	46	45	46	43	54
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1533.1	1533.1	1533.1	1533.1	1533.1
2.5°	1532.5	1533.1	1528.7	1535.9	1537.4
5°	1528.7	1529.3	1525.3	1531.9	1533.7
7.5°	1520.9	1522.1	1518.3	1524.9	1526.5
10°	1509.9	1511.1	1507.3	1513.9	1515.5
12.5°	1496.3	1496.7	1493.5	1499.5	1501.1
15°	1478.2	1478.6	1476.0	1480.8	1482.9
17.5°	1457.2	1457.8	1454.0	1460.0	1461.0
20°	1432.0	1432.4	1430.2	1435.2	1435.8
22.5°	1403.9	1405.1	1401.7	1406.1	1406.7
25°	1372.1	1373.1	1368.8	1373.1	1373.7
27.5°	1338.6	1339.0	1335.2	1338.6	1338.0
30°	1299.5	1302.9	1297.9	1296.7	1296.3
32.5°	1258.9	1259.3	1254.6	1253.4	1255.6
35°	1212.2	1212.6	1209.4	1207.8	1204.4
37.5°	1161.1	1161.1	1154.9	1153.9	1153.3
40°	1105.0	1104.4	1100.6	1096.8	1092.8
42.5°	1043.9	1045.1	1037.3	1030.8	1029.8
45°	977.5	973.7	966.5	958.9	959.5
47.5°	899.0	900.0	890.2	884.0	882.4
50°	817.5	817.5	808.4	801.8	798.4
52.5°	732.5	733.1	724.3	715.5	713.7
55°	645.6	651.0	642.9	632.5	630.3
57.5°	564.4	568.8	561.0	550.0	549.4
60°	489.1	489.5	487.3	476.9	474.2
62.5°	424.8	422.0	420.8	415.5	412.1
65°	364.3	364.9	362.2	356.0	355.0
67.5°	315.4	314.8	309.8	306.1	303.9
70°	267.5	265.9	263.7	260.5	258.3
72.5°	224.8	224.8	223.0	222.0	218.2
75°	187.5	185.3	183.1	184.1	179.7
77.5°	151.7	149.5	147.7	145.5	144.5
80°	114.8	112.6	113.2	109.8	109.4
82.5°	79.7	79.7	78.7	75.9	76.5
85°	45.5	46.1	45.1	45.5	43.3
87.5°	16.6	17.0	18.2	17.0	17.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)