

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: P1050151

Luminaire Tested: PTR-14-40-PB1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050151
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-14-40-PB1-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

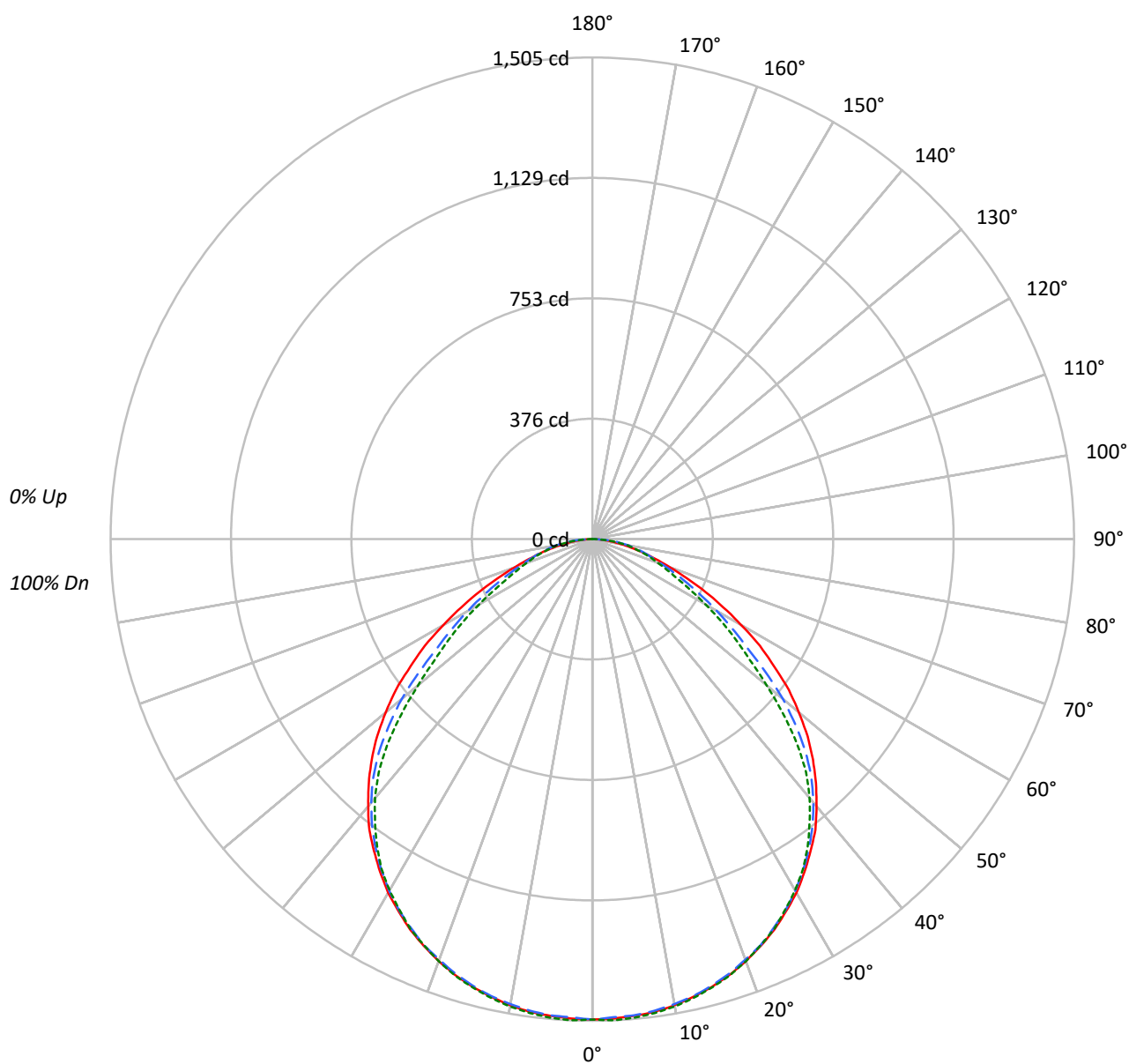
Lumens per Lamp: N/A
Luminaire Lumens: 3743.0 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1050151

CATALOG NUMBER: PTR-14-40-PB1-L835-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050151

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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°	4039	4039	4039
5°	4040	4035	4055
10°	4041	4031	4051
15°	4033	4023	4038
20°	4018	4003	4018
25°	3996	3980	3991
30°	3964	3942	3935
35°	3906	3876	3852
40°	3827	3775	3710
45°	3710	3590	3443
50°	3525	3254	2976
55°	3248	2764	2563
60°	2892	2415	2196
65°	2481	2094	1870
70°	2048	1845	1714
75°	1727	1765	1671
80°	1460	1802	1719
85°	1142	1825	1599

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3710 cd/sqm

TEST NUMBER: P1050151

CATALOG NUMBER: PTR-14-40-PB1-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.3	3.8
10°-20°	408.4	10.9
20°-30°	618.6	16.5
30°-40°	737.2	19.7
40°-50°	720.9	19.3
50°-60°	545.2	14.6
60°-70°	335.0	8.9
70°-80°	178.5	4.8
80°-90°	56.9	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°	1169.4	31.2
0°-40°	1906.5	50.9
0°-60°	3172.6	84.8
0°-90°	3743.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3743.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1501	1501	1501	1501	1501	
5°	1496	1497	1494	1499	1501	142
15°	1448	1449	1444	1449	1449	409
25°	1346	1344	1340	1342	1344	620
35°	1189	1187	1180	1174	1172	744
45°	975	969	943	912	905	750
55°	692	657	589	556	546	620
65°	390	358	329	303	294	388
75°	166	168	170	164	161	178
85°	37	48	59	55	52	44
90°	0	0	0	0	0	

TEST NUMBER: P1050151

CATALOG NUMBER: PTR-14-40-PB1-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1501.1	1501.1	1501.1	1501.1	1501.1
2.5°	1499.3	1501.1	1495.5	1503.0	1504.8
5°	1495.5	1497.4	1493.7	1499.3	1501.1
7.5°	1490.0	1490.0	1486.4	1491.8	1493.7
10°	1479.0	1479.0	1475.3	1480.7	1482.7
12.5°	1464.3	1464.3	1462.3	1466.0	1467.9
15°	1447.6	1449.3	1443.9	1449.3	1449.3
17.5°	1427.2	1425.5	1423.6	1427.2	1429.2
20°	1403.2	1403.2	1397.8	1401.5	1403.2
22.5°	1375.5	1375.5	1373.7	1375.5	1373.7
25°	1346.0	1344.1	1340.4	1342.3	1344.1
27.5°	1310.9	1310.9	1307.3	1307.3	1305.3
30°	1275.8	1273.9	1268.5	1264.8	1266.5
32.5°	1233.4	1231.5	1226.0	1222.3	1224.1
35°	1189.0	1187.3	1179.9	1174.3	1172.5
37.5°	1144.8	1139.2	1129.9	1122.5	1115.2
40°	1089.4	1083.8	1074.6	1058.0	1056.0
42.5°	1033.9	1028.5	1013.6	993.4	987.8
45°	974.8	969.4	943.4	912.0	904.6
47.5°	912.0	902.9	862.2	823.4	808.7
50°	842.0	825.4	777.3	727.5	710.8
52.5°	773.6	744.1	681.3	637.0	620.5
55°	692.4	657.3	589.1	555.7	546.4
57.5°	620.5	572.4	517.0	483.8	476.5
60°	537.3	492.9	448.7	419.1	408.0
62.5°	461.5	422.8	385.9	360.0	347.2
65°	389.6	358.2	328.8	302.8	293.7
67.5°	319.4	302.8	278.7	258.6	253.0
70°	260.3	251.0	234.5	225.2	217.9
72.5°	206.8	210.5	199.5	195.8	190.2
75°	166.1	168.1	169.8	164.4	160.7
77.5°	125.6	134.7	142.1	138.4	134.7
80°	94.2	103.3	116.3	110.9	110.9
82.5°	64.5	75.8	86.8	83.2	81.2
85°	37.0	48.1	59.1	55.4	51.8
87.5°	14.7	24.0	25.8	25.8	24.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)