

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: P1050445

Luminaire Tested: PTR-14-40-PW1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050445
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-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

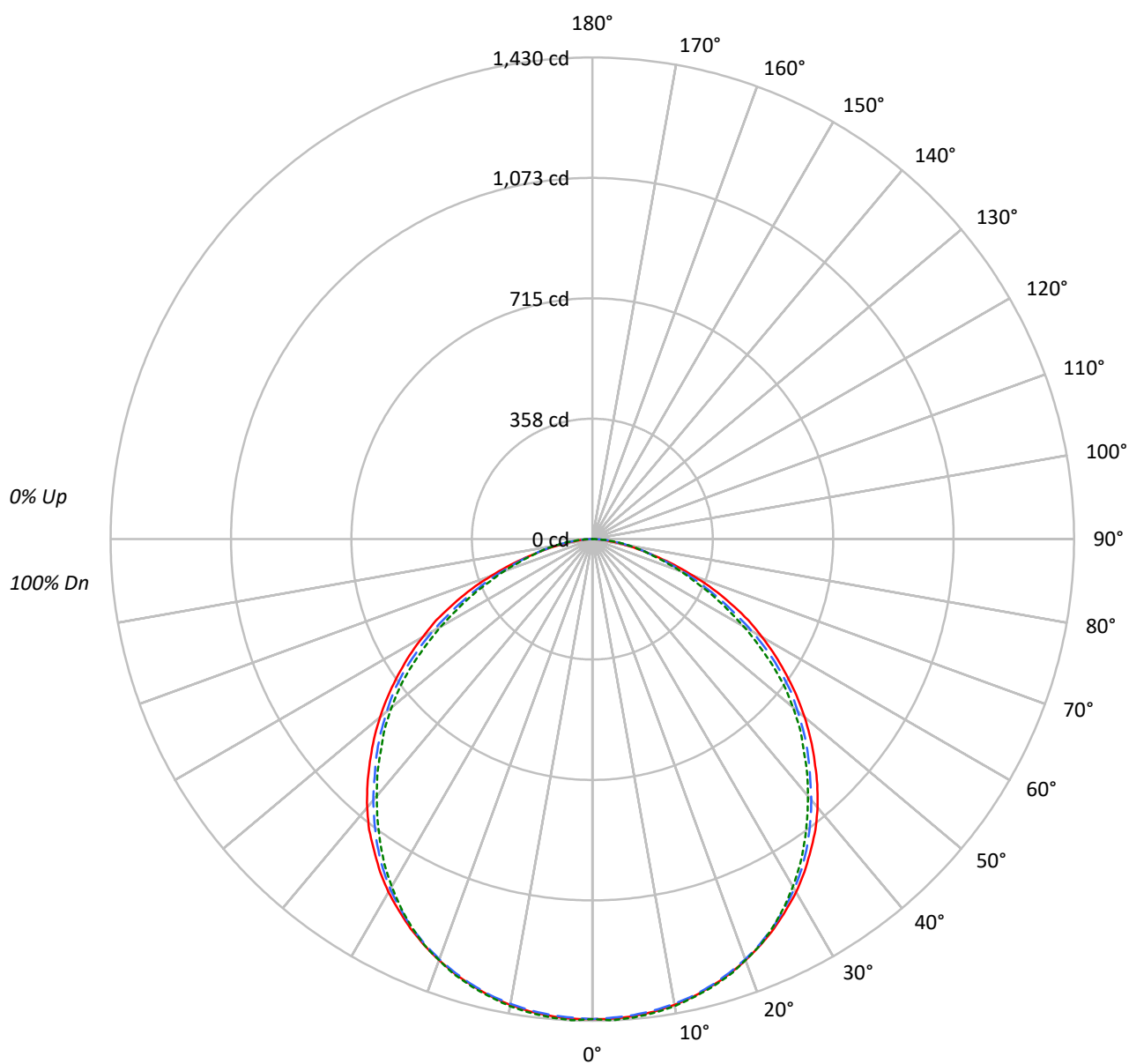
Lumens per Lamp: N/A
Luminaire Lumens: 3782.6 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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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	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°	3835	3835	3835
5°	3839	3831	3850
10°	3837	3829	3848
15°	3825	3819	3834
20°	3810	3801	3810
25°	3789	3773	3770
30°	3760	3727	3701
35°	3710	3653	3607
40°	3653	3553	3497
45°	3552	3446	3376
50°	3444	3332	3255
55°	3301	3189	3062
60°	3130	2944	2791
65°	2895	2630	2499
70°	2510	2289	2203
75°	2004	1960	1906
80°	1523	1702	1702
85°	1127	1451	1451

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3552 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.2	3.6
10°-20°	387.7	10.2
20°-30°	586.0	15.5
30°-40°	695.8	18.4
40°-50°	701.0	18.5
50°-60°	605.9	16.0
60°-70°	414.1	10.9
70°-80°	204.2	5.4
80°-90°	52.8	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°	1108.8	29.3
0°-40°	1804.6	47.7
0°-60°	3111.5	82.3
0°-90°	3782.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3782.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1425	1425	1425	1425	1425	
5°	1421	1422	1418	1424	1425	135
15°	1373	1375	1371	1376	1376	388
25°	1276	1275	1271	1272	1270	588
35°	1129	1125	1112	1102	1098	707
45°	933	923	906	895	887	720
55°	704	701	680	660	653	629
65°	455	438	413	395	392	449
75°	193	191	188	188	183	210
85°	36	43	47	48	47	45
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1425.3	1425.3	1425.3	1425.3	1425.3
2.5°	1425.0	1425.3	1421.7	1428.0	1429.6
5°	1421.1	1421.7	1418.1	1423.8	1425.3
7.5°	1414.4	1415.4	1411.1	1416.9	1418.1
10°	1404.2	1404.8	1401.2	1406.9	1408.1
12.5°	1390.6	1391.0	1387.9	1393.1	1393.1
15°	1373.1	1374.7	1371.0	1375.8	1376.2
17.5°	1353.6	1354.1	1350.5	1355.7	1356.8
20°	1330.3	1330.3	1327.3	1331.5	1330.3
22.5°	1304.4	1304.4	1300.8	1302.9	1303.9
25°	1276.0	1274.9	1270.7	1271.8	1269.7
27.5°	1243.2	1243.2	1235.7	1235.7	1232.1
30°	1210.0	1207.3	1199.5	1194.7	1191.0
32.5°	1171.8	1168.2	1158.2	1149.8	1147.1
35°	1129.2	1125.4	1112.1	1102.2	1097.9
37.5°	1088.0	1079.5	1062.1	1052.1	1047.3
40°	1039.8	1029.2	1011.4	997.6	995.5
42.5°	988.2	979.7	956.5	946.3	943.8
45°	933.3	923.1	905.6	895.1	887.2
47.5°	879.3	871.9	851.9	839.2	836.6
50°	822.7	816.4	795.9	782.2	777.4
52.5°	764.2	760.0	742.5	725.1	719.3
55°	703.6	701.4	679.8	659.6	652.7
57.5°	643.9	641.2	614.1	590.9	584.6
60°	581.5	573.6	547.1	525.5	518.6
62.5°	522.4	505.5	476.9	460.0	452.1
65°	454.6	438.3	413.0	395.0	392.5
67.5°	388.2	368.7	349.1	338.0	329.5
70°	319.0	305.7	290.9	281.5	280.0
72.5°	254.5	245.1	237.6	231.8	227.0
75°	192.7	191.1	188.5	188.5	183.3
77.5°	141.6	145.3	147.4	146.8	148.0
80°	98.3	105.6	109.8	110.4	109.8
82.5°	62.4	70.8	77.7	78.7	79.8
85°	36.5	42.8	47.0	48.0	47.0
87.5°	16.3	20.5	21.7	22.6	21.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)