

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: P1050419

Luminaire Tested: PTR-14-20-PW1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050419
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-14-20-PW1-L835-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

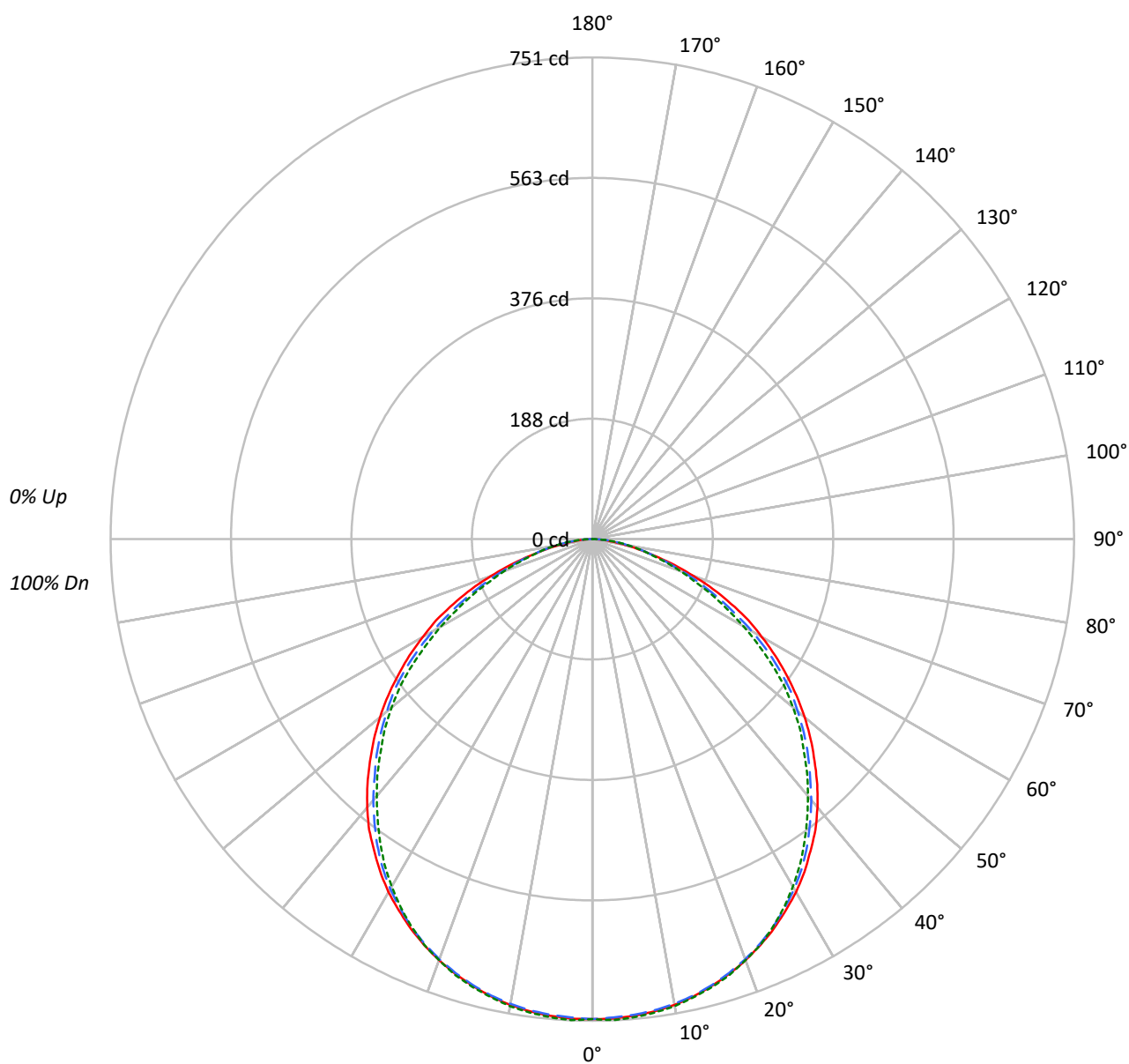
Lumens per Lamp: N/A
Luminaire Lumens: 1986.2 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16
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°	2014	2014	2014
5°	2016	2011	2022
10°	2015	2011	2020
15°	2009	2006	2013
20°	2001	1996	2001
25°	1989	1981	1980
30°	1974	1957	1943
35°	1948	1918	1894
40°	1918	1866	1836
45°	1865	1810	1773
50°	1809	1750	1709
55°	1733	1674	1608
60°	1643	1546	1466
65°	1520	1381	1312
70°	1318	1202	1157
75°	1052	1029	1000
80°	800	893	893
85°	590	763	763

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1865 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.0	3.6
10°-20°	203.6	10.2
20°-30°	307.7	15.5
30°-40°	365.3	18.4
40°-50°	368.1	18.5
50°-60°	318.2	16.0
60°-70°	217.5	10.9
70°-80°	107.2	5.4
80°-90°	27.7	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°	582.3	29.3
0°-40°	947.6	47.7
0°-60°	1633.8	82.3
0°-90°	1986.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1986.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	748	748	748	748	748	
5°	746	746	745	748	748	71
15°	721	722	720	722	723	204
25°	670	669	667	668	667	309
35°	593	591	584	579	576	371
45°	490	485	476	470	466	378
55°	369	368	357	346	343	330
65°	239	230	217	207	206	236
75°	101	100	99	99	96	110
85°	19	22	25	25	25	23
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	748.4	748.4	748.4	748.4	748.4
2.5°	748.2	748.4	746.5	749.9	750.7
5°	746.2	746.5	744.6	747.6	748.4
7.5°	742.7	743.2	741.0	744.0	744.6
10°	737.4	737.7	735.8	738.8	739.4
12.5°	730.2	730.4	728.8	731.5	731.5
15°	721.0	721.8	719.9	722.4	722.7
17.5°	710.8	711.1	709.1	711.9	712.5
20°	698.6	698.6	697.0	699.2	698.6
22.5°	685.0	685.0	683.0	684.2	684.7
25°	670.0	669.4	667.2	667.8	666.7
27.5°	652.8	652.8	648.9	648.9	647.0
30°	635.4	634.0	629.8	627.3	625.4
32.5°	615.3	613.4	608.2	603.7	602.3
35°	593.0	590.9	584.0	578.7	576.5
37.5°	571.3	566.9	557.7	552.4	549.9
40°	546.0	540.5	531.1	523.8	522.7
42.5°	518.9	514.5	502.3	496.9	495.6
45°	490.1	484.7	475.6	470.0	465.9
47.5°	461.7	457.8	447.3	440.7	439.3
50°	432.0	428.7	417.9	410.8	408.2
52.5°	401.3	399.1	389.9	380.7	377.7
55°	369.4	368.3	356.9	346.4	342.7
57.5°	338.1	336.7	322.5	310.3	307.0
60°	305.3	301.2	287.3	275.9	272.3
62.5°	274.3	265.4	250.4	241.6	237.4
65°	238.7	230.2	216.9	207.4	206.1
67.5°	203.9	193.6	183.3	177.5	173.0
70°	167.5	160.5	152.8	147.8	147.0
72.5°	133.6	128.7	124.8	121.7	119.2
75°	101.2	100.4	99.0	99.0	96.2
77.5°	74.4	76.3	77.4	77.1	77.7
80°	51.6	55.4	57.6	57.9	57.6
82.5°	32.8	37.2	40.8	41.3	41.9
85°	19.1	22.5	24.7	25.2	24.7
87.5°	8.6	10.8	11.4	11.9	11.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)