

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: P1050370

Luminaire Tested: PTR-14-20-PR1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050370
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-14-20-PR1-L835-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

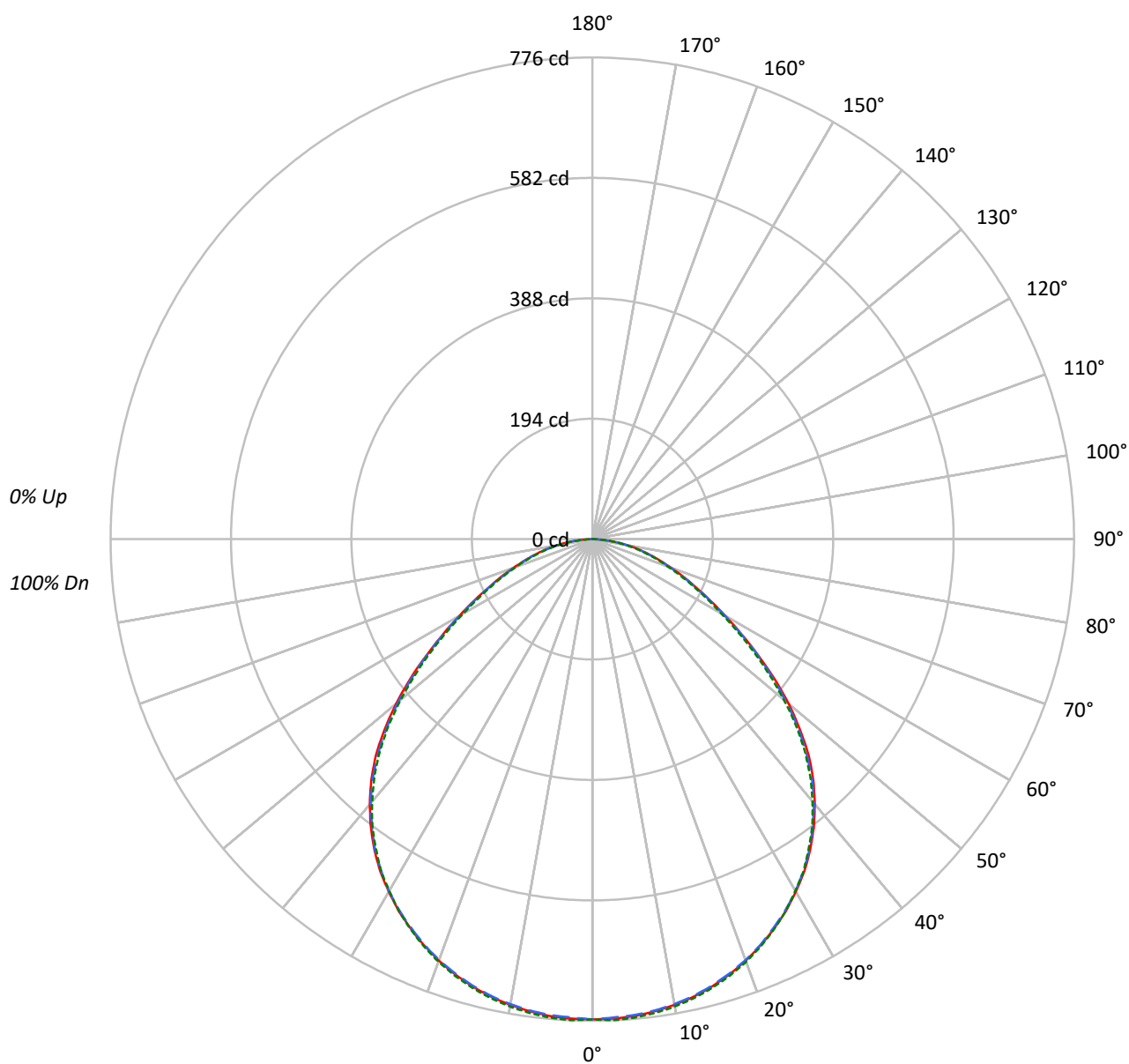
Lumens per Lamp: N/A
Luminaire Lumens: 1956.5 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	2082	2082	2082
5°	2084	2079	2091
10°	2082	2078	2090
15°	2078	2075	2085
20°	2069	2067	2075
25°	2056	2051	2058
30°	2037	2035	2032
35°	2009	2005	1997
40°	1959	1951	1937
45°	1877	1856	1843
50°	1727	1708	1687
55°	1529	1522	1492
60°	1328	1323	1288
65°	1171	1164	1140
70°	1062	1047	1026
75°	984	961	943
80°	897	885	855
85°	710	704	676

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1877 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.4	3.8
10°-20°	210.6	10.8
20°-30°	319.1	16.3
30°-40°	380.9	19.5
40°-50°	374.6	19.1
50°-60°	289.5	14.8
60°-70°	182.6	9.3
70°-80°	98.8	5.0
80°-90°	27.0	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°	603.1	30.8
0°-40°	984.0	50.3
0°-60°	1648.2	84.2
0°-90°	1956.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1956.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	774	774	774	774	774	
5°	771	772	770	773	774	73
15°	746	746	745	747	748	211
25°	692	693	691	693	693	319
35°	612	612	610	610	608	382
45°	493	491	488	484	484	378
55°	326	328	324	319	318	292
65°	184	184	183	180	179	185
75°	95	94	92	93	91	100
85°	23	23	23	23	22	27
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	773.6	773.6	773.6	773.6	773.6
2.5°	773.3	773.6	771.4	775.0	775.8
5°	771.4	771.7	769.7	773.0	773.9
7.5°	767.5	768.1	766.2	769.5	770.3
10°	761.9	762.5	760.6	764.0	764.8
12.5°	755.1	755.3	753.7	756.7	757.5
15°	745.9	746.1	744.8	747.2	748.3
17.5°	735.3	735.6	733.7	736.7	737.3
20°	722.6	722.8	721.7	724.3	724.6
22.5°	708.4	709.0	707.3	709.5	709.8
25°	692.4	692.9	690.7	692.9	693.2
27.5°	675.5	675.7	673.8	675.5	675.2
30°	655.7	657.5	654.9	654.3	654.1
32.5°	635.3	635.5	633.1	632.5	633.6
35°	611.7	611.9	610.3	609.5	607.8
37.5°	585.9	585.9	582.8	582.3	582.0
40°	557.6	557.3	555.4	553.5	551.5
42.5°	526.8	527.4	523.5	520.1	519.6
45°	493.2	491.3	487.7	483.9	484.2
47.5°	453.7	454.2	449.2	446.1	445.3
50°	412.6	412.6	407.9	404.6	402.9
52.5°	369.6	369.9	365.5	361.1	360.2
55°	325.8	328.5	324.4	319.2	318.1
57.5°	284.8	287.0	283.1	277.6	277.3
60°	246.8	247.0	245.9	240.7	239.3
62.5°	214.4	213.0	212.4	209.7	207.9
65°	183.9	184.2	182.8	179.6	179.1
67.5°	159.2	158.9	156.4	154.4	153.3
70°	135.0	134.2	133.1	131.5	130.4
72.5°	113.4	113.4	112.5	112.0	110.1
75°	94.6	93.5	92.4	92.9	90.7
77.5°	76.6	75.5	74.6	73.4	72.9
80°	57.9	56.8	57.1	55.4	55.2
82.5°	40.2	40.2	39.7	38.3	38.6
85°	23.0	23.3	22.8	23.0	21.9
87.5°	8.4	8.6	9.2	8.6	8.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)