

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: P1050371

Luminaire Tested: PTR-14-30-PR1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050371
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-14-30-PR1-L835-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

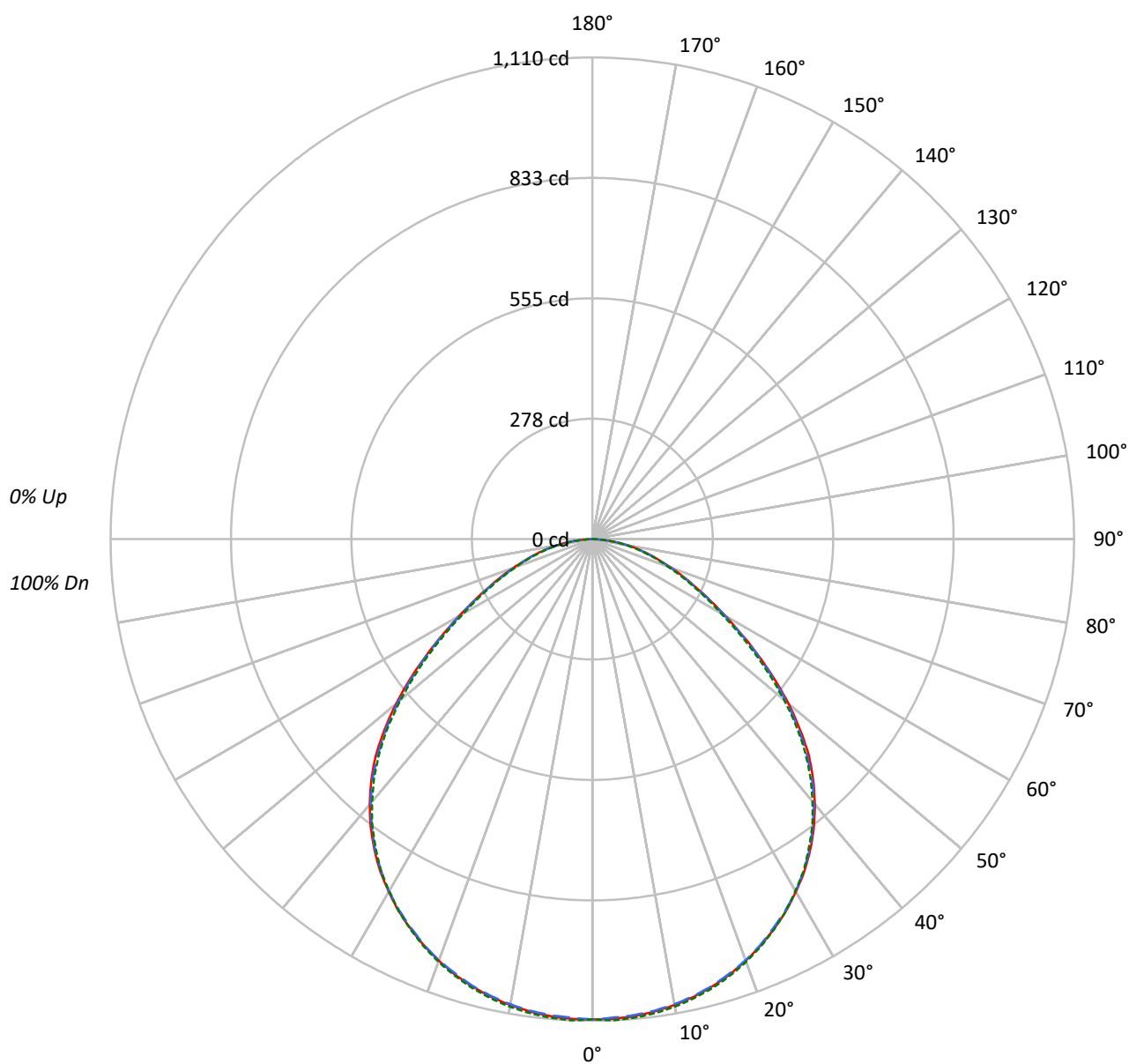
Lumens per Lamp: N/A
Luminaire Lumens: 2799.4 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23
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°	2979	2979	2979
5°	2981	2975	2991
10°	2979	2974	2990
15°	2973	2969	2983
20°	2961	2957	2969
25°	2942	2934	2945
30°	2916	2912	2908
35°	2875	2869	2857
40°	2803	2792	2772
45°	2686	2656	2637
50°	2471	2444	2413
55°	2187	2178	2135
60°	1901	1894	1843
65°	1675	1665	1632
70°	1520	1498	1467
75°	1408	1375	1349
80°	1285	1266	1224
85°	1016	1007	966

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2686 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.0	3.8
10°-20°	301.4	10.8
20°-30°	456.6	16.3
30°-40°	545.0	19.5
40°-50°	536.0	19.1
50°-60°	414.3	14.8
60°-70°	261.2	9.3
70°-80°	141.3	5.0
80°-90°	38.6	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°	862.9	30.8
0°-40°	1408.0	50.3
0°-60°	2358.3	84.2
0°-90°	2799.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2799.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1107	1107	1107	1107	1107	
5°	1104	1104	1101	1106	1107	105
15°	1067	1068	1066	1069	1071	301
25°	991	991	988	991	992	457
35°	875	876	873	872	870	547
45°	706	703	698	692	693	540
55°	466	470	464	457	455	418
65°	263	264	262	257	256	265
75°	135	134	132	133	130	144
85°	33	33	33	33	31	39
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1106.9	1106.9	1106.9	1106.9	1106.9
2.5°	1106.5	1106.9	1103.7	1108.9	1110.1
5°	1103.7	1104.2	1101.3	1106.0	1107.3
7.5°	1098.1	1099.0	1096.2	1101.0	1102.2
10°	1090.2	1091.1	1088.3	1093.1	1094.2
12.5°	1080.4	1080.7	1078.4	1082.7	1083.8
15°	1067.3	1067.6	1065.7	1069.1	1070.7
17.5°	1052.1	1052.6	1049.8	1054.2	1054.9
20°	1034.0	1034.3	1032.7	1036.3	1036.7
22.5°	1013.6	1014.5	1012.1	1015.2	1015.7
25°	990.7	991.4	988.3	991.4	991.9
27.5°	966.5	966.8	964.1	966.5	966.1
30°	938.3	940.7	937.1	936.2	935.9
32.5°	909.0	909.3	905.8	905.0	906.5
35°	875.3	875.6	873.2	872.1	869.6
37.5°	838.4	838.4	833.9	833.2	832.7
40°	797.9	797.4	794.7	791.9	789.1
42.5°	753.7	754.6	749.0	744.2	743.5
45°	705.7	703.0	697.8	692.3	692.8
47.5°	649.1	649.8	642.8	638.3	637.1
50°	590.3	590.3	583.7	578.9	576.4
52.5°	528.9	529.3	523.0	516.6	515.3
55°	466.2	470.1	464.2	456.7	455.1
57.5°	407.5	410.7	405.1	397.1	396.7
60°	353.2	353.4	351.9	344.4	342.4
62.5°	306.7	304.7	303.9	300.0	297.5
65°	263.1	263.5	261.5	257.0	256.3
67.5°	227.8	227.3	223.7	221.0	219.4
70°	193.2	192.0	190.4	188.1	186.5
72.5°	162.3	162.3	161.0	160.3	157.6
75°	135.4	133.8	132.2	132.9	129.7
77.5°	109.6	108.0	106.7	105.1	104.4
80°	82.9	81.3	81.7	79.3	79.0
82.5°	57.5	57.5	56.8	54.8	55.2
85°	32.9	33.3	32.6	32.9	31.3
87.5°	12.0	12.3	13.1	12.3	12.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)