

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: P1050128

Luminaire Tested: PTR-14-20-PB1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050128
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-14-20-PB1-L840-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

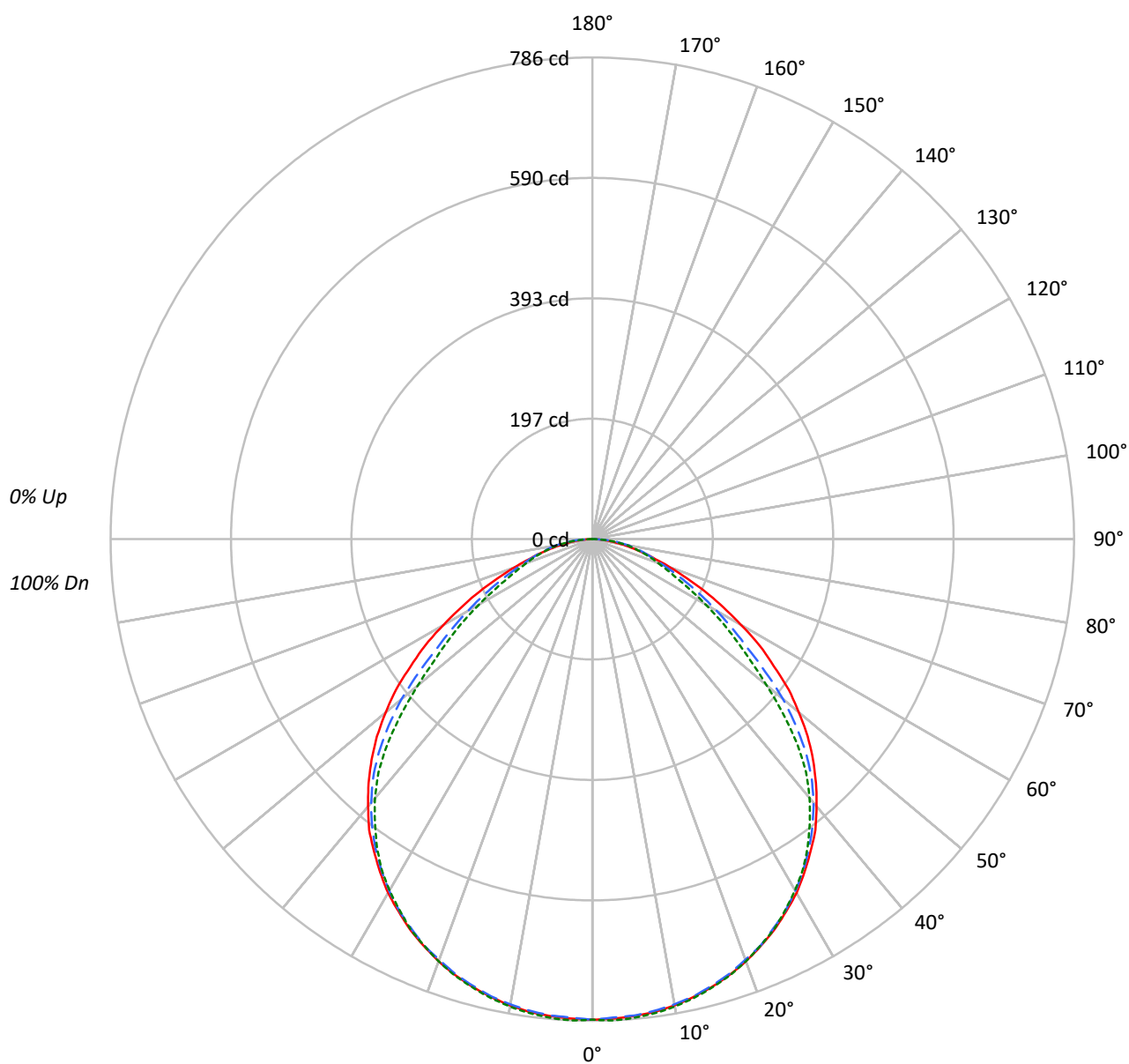
Lumens per Lamp: N/A
Luminaire Lumens: 1955.5 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2110	2110	2110
5°	2110	2108	2118
10°	2111	2106	2117
15°	2107	2102	2109
20°	2099	2091	2099
25°	2088	2079	2085
30°	2071	2059	2056
35°	2041	2025	2012
40°	1999	1972	1938
45°	1938	1876	1799
50°	1842	1700	1555
55°	1697	1444	1339
60°	1511	1262	1147
65°	1296	1094	977
70°	1070	964	895
75°	902	922	873
80°	762	942	897
85°	596	954	834

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1938 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	3.8
10°-20°	213.4	10.9
20°-30°	323.2	16.5
30°-40°	385.1	19.7
40°-50°	376.6	19.3
50°-60°	284.9	14.6
60°-70°	175.0	8.9
70°-80°	93.2	4.8
80°-90°	29.8	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°	610.9	31.2
0°-40°	996.1	50.9
0°-60°	1657.5	84.8
0°-90°	1955.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1955.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	784	784	784	784	784	
5°	781	782	780	783	784	74
15°	756	757	754	757	757	213
25°	703	702	700	701	702	324
35°	621	620	616	614	613	389
45°	509	506	493	476	473	392
55°	362	343	308	290	286	324
65°	204	187	172	158	153	203
75°	87	88	89	86	84	93
85°	19	25	31	29	27	23
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	784.2	784.2	784.2	784.2	784.2
2.5°	783.3	784.2	781.3	785.2	786.2
5°	781.3	782.3	780.4	783.3	784.2
7.5°	778.5	778.5	776.5	779.4	780.4
10°	772.7	772.7	770.8	773.6	774.6
12.5°	765.0	765.0	764.0	765.9	766.9
15°	756.3	757.2	754.4	757.2	757.2
17.5°	745.6	744.7	743.7	745.6	746.7
20°	733.1	733.1	730.3	732.2	733.1
22.5°	718.6	718.6	717.7	718.6	717.7
25°	703.2	702.2	700.3	701.3	702.2
27.5°	684.9	684.9	683.0	683.0	681.9
30°	666.6	665.5	662.7	660.8	661.7
32.5°	644.4	643.4	640.5	638.6	639.5
35°	621.2	620.3	616.4	613.5	612.6
37.5°	598.1	595.2	590.3	586.5	582.6
40°	569.1	566.2	561.4	552.7	551.7
42.5°	540.2	537.3	529.5	519.0	516.1
45°	509.3	506.4	492.9	476.5	472.6
47.5°	476.5	471.7	450.4	430.2	422.5
50°	439.9	431.2	406.1	380.1	371.4
52.5°	404.2	388.8	356.0	332.8	324.2
55°	361.7	343.4	307.8	290.3	285.5
57.5°	324.2	299.0	270.1	252.8	248.9
60°	280.7	257.5	234.4	218.9	213.2
62.5°	241.1	220.9	201.6	188.1	181.4
65°	203.6	187.1	171.8	158.2	153.4
67.5°	166.9	158.2	145.6	135.1	132.2
70°	136.0	131.1	122.5	117.7	113.8
72.5°	108.1	110.0	104.2	102.3	99.3
75°	86.8	87.8	88.7	85.9	84.0
77.5°	65.6	70.4	74.2	72.3	70.4
80°	49.2	54.0	60.8	57.9	57.9
82.5°	33.7	39.6	45.4	43.4	42.4
85°	19.3	25.1	30.9	29.0	27.0
87.5°	7.7	12.6	13.5	13.5	12.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)