

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: P1050193

Luminaire Tested: PTR-14-80-PC3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050193
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-PC3-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

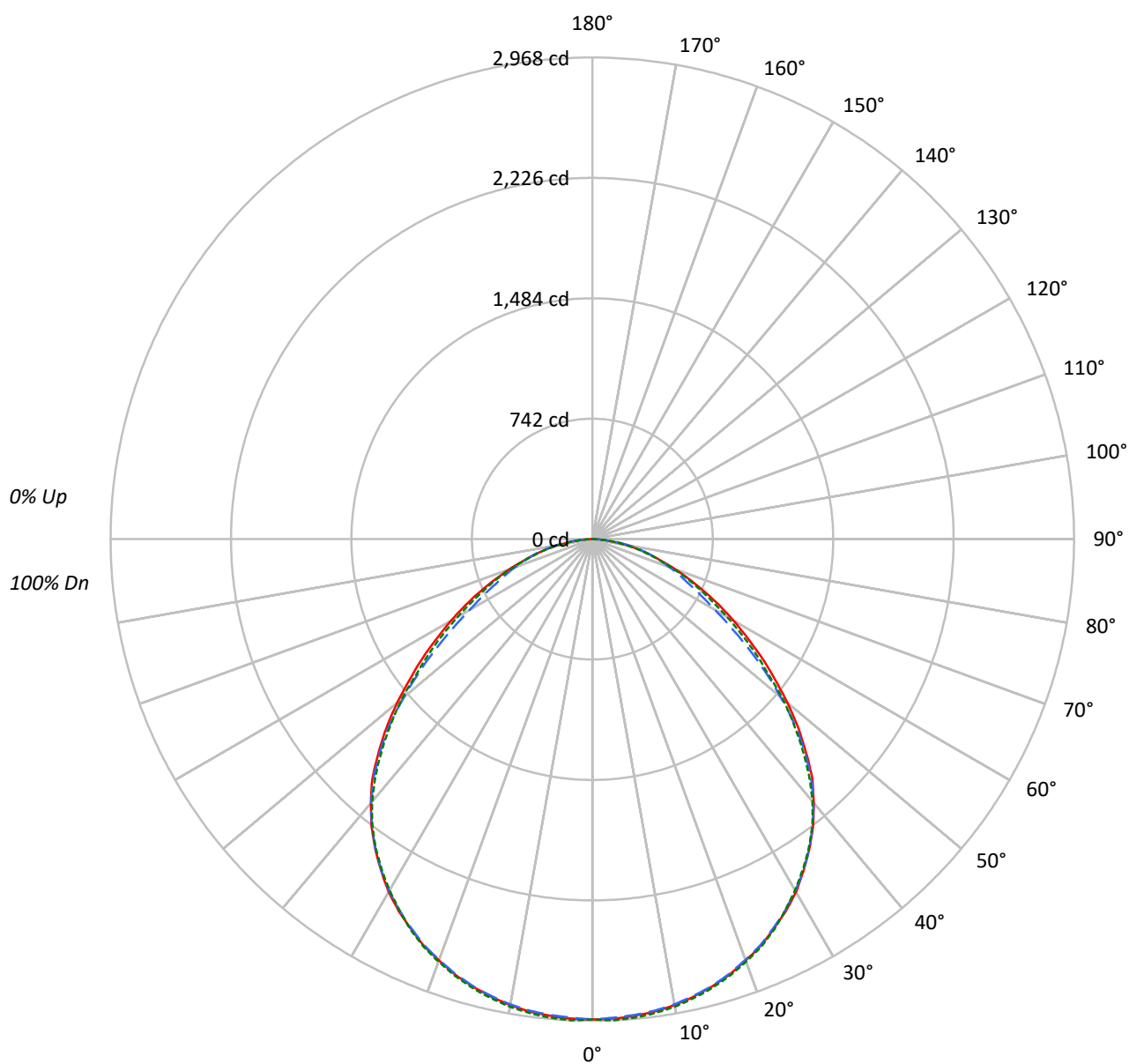
Lumens per Lamp: N/A
Luminaire Lumens: 7462.1 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 71
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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	87	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	72
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7965	7965	7965
5°	7967	7953	7998
10°	7967	7952	7995
15°	7948	7939	7975
20°	7912	7900	7934
25°	7858	7846	7877
30°	7800	7773	7760
35°	7659	7651	7637
40°	7456	7445	7411
45°	7091	7038	6966
50°	6563	6343	6414
55°	5989	5504	5751
60°	5401	4695	5151
65°	4827	4201	4632
70°	4282	3973	4164
75°	3788	3851	3711
80°	3267	3677	3248
85°	2445	2908	2445

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 7107 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.7	3.8
10°-20°	805.8	10.8
20°-30°	1220.0	16.3
30°-40°	1454.5	19.5
40°-50°	1421.2	19.0
50°-60°	1086.7	14.6
60°-70°	697.7	9.4
70°-80°	388.2	5.2
80°-90°	107.2	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°	2306.5	30.9
0°-40°	3761.0	50.4
0°-60°	6269.0	84.0
0°-90°	7462.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7462.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2960	2960	2960	2960	2960	
5°	2949	2951	2944	2958	2961	281
15°	2853	2855	2850	2859	2862	805
25°	2647	2650	2642	2651	2653	1221
35°	2331	2333	2329	2328	2325	1456
45°	1863	1867	1849	1845	1830	1434
55°	1277	1232	1173	1188	1226	1141
65°	758	700	660	682	727	756
75°	364	367	370	365	357	389
85°	79	93	94	91	79	97
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2959.8	2959.8	2959.8	2959.8	2959.8
2.5°	2957.9	2959.0	2951.4	2964.0	2968.3
5°	2949.4	2951.4	2944.0	2957.9	2961.0
7.5°	2936.7	2938.7	2931.4	2945.2	2946.4
10°	2915.6	2916.7	2910.2	2924.0	2926.0
12.5°	2887.1	2890.2	2882.9	2895.6	2896.4
15°	2852.9	2855.2	2849.8	2859.4	2862.5
17.5°	2812.9	2814.0	2808.7	2819.0	2820.2
20°	2762.9	2762.9	2758.7	2770.6	2770.6
22.5°	2712.1	2709.0	2707.9	2712.1	2718.6
25°	2646.7	2649.8	2642.5	2651.0	2652.9
27.5°	2583.3	2583.3	2576.7	2580.9	2575.6
30°	2510.2	2505.9	2501.7	2502.5	2497.5
32.5°	2422.1	2422.1	2420.2	2420.2	2413.6
35°	2331.3	2333.2	2329.0	2327.9	2324.8
37.5°	2233.6	2237.1	2229.4	2227.5	2225.2
40°	2122.5	2122.5	2119.4	2115.1	2109.8
42.5°	2007.1	2007.1	1993.6	1982.8	1975.5
45°	1863.2	1867.4	1849.4	1845.1	1830.5
47.5°	1720.1	1717.0	1692.8	1689.7	1681.3
50°	1567.8	1549.7	1515.1	1524.3	1532.0
52.5°	1415.5	1393.2	1342.4	1352.8	1365.5
55°	1276.6	1232.4	1173.2	1187.8	1225.9
57.5°	1131.6	1072.4	1013.1	1040.8	1088.2
60°	1003.5	937.0	872.4	902.0	957.0
62.5°	880.8	810.1	758.1	786.6	833.1
65°	758.1	699.7	659.7	681.6	727.4
67.5°	645.8	606.6	579.3	589.7	626.6
70°	544.3	519.7	505.0	508.1	529.3
72.5°	447.7	441.6	436.2	436.2	438.1
75°	364.3	367.3	370.4	365.4	356.9
77.5°	286.9	297.3	305.0	294.3	283.9
80°	210.8	227.7	237.3	225.4	209.6
82.5°	143.9	163.1	166.2	158.9	140.8
85°	79.2	93.1	94.2	91.2	79.2
87.5°	29.6	35.0	38.1	35.0	30.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)