

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: P1050543

Luminaire Tested: 24PTR-30-PB1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050543
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: 24PTR-30-PB1-L830-UNV-STD-W
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

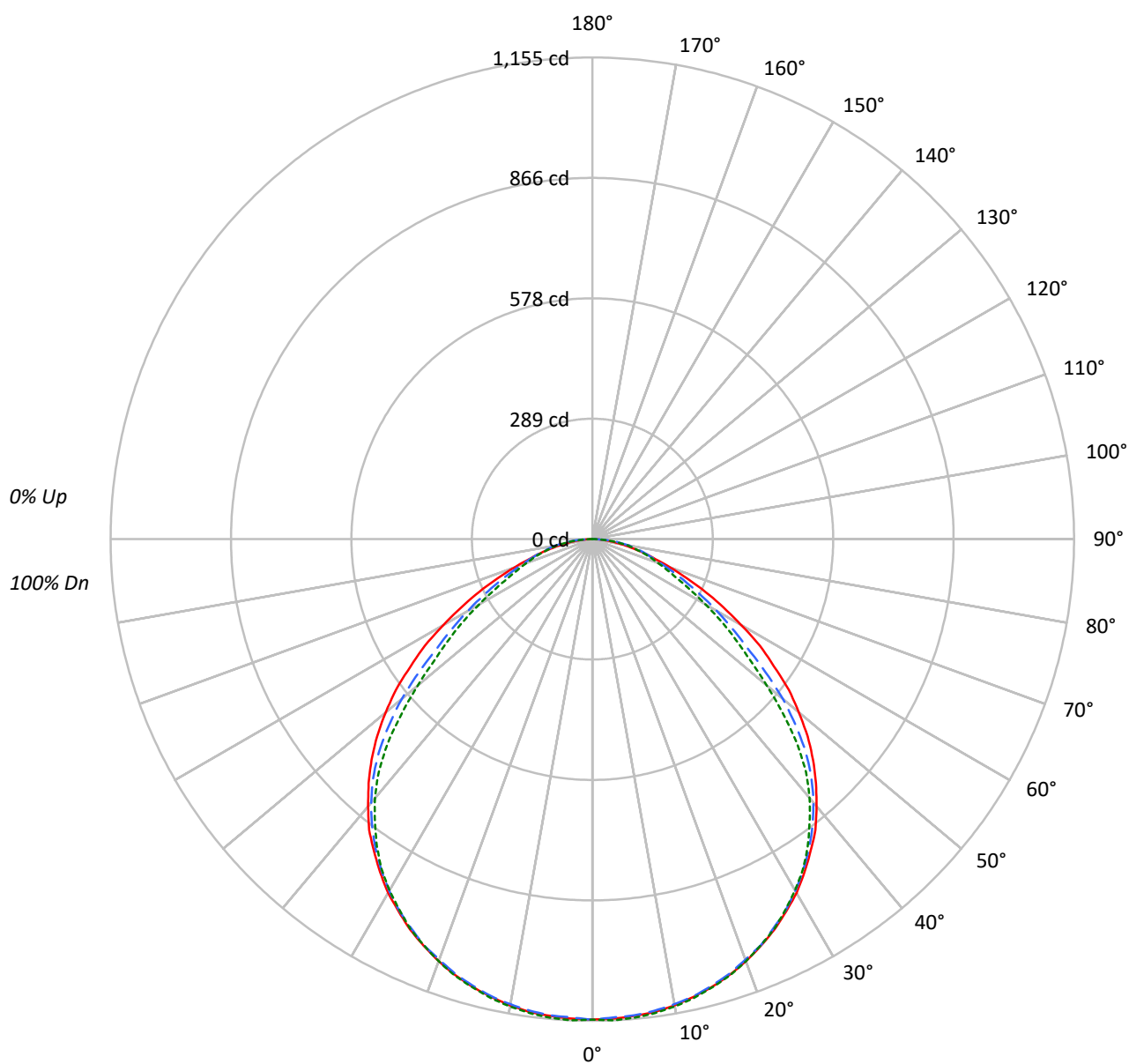
Lumens per Lamp: N/A
Luminaire Lumens: 2873.1 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 24
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°	1550	1550	1550
5°	1550	1549	1556
10°	1551	1547	1555
15°	1548	1544	1550
20°	1542	1536	1542
25°	1534	1527	1532
30°	1521	1513	1510
35°	1499	1488	1478
40°	1469	1449	1424
45°	1424	1378	1321
50°	1353	1249	1142
55°	1247	1061	984
60°	1110	927	843
65°	952	803	718
70°	786	708	658
75°	663	677	641
80°	560	692	659
85°	438	701	613

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1424 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.3	3.8
10°-20°	313.5	10.9
20°-30°	474.9	16.5
30°-40°	565.8	19.7
40°-50°	553.3	19.3
50°-60°	418.5	14.6
60°-70°	257.1	8.9
70°-80°	137.0	4.8
80°-90°	43.7	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°	897.6	31.2
0°-40°	1463.4	50.9
0°-60°	2435.3	84.8
0°-90°	2873.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2873.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1152	1152	1152	1152	1152	
5°	1148	1149	1147	1151	1152	109
15°	1111	1112	1108	1112	1112	314
25°	1033	1032	1029	1030	1032	476
35°	913	911	906	901	900	571
45°	748	744	724	700	694	576
55°	532	504	452	427	419	476
65°	299	275	252	232	225	298
75°	128	129	130	126	123	137
85°	28	37	45	43	40	34
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1152.2	1152.2	1152.2	1152.2	1152.2
2.5°	1150.9	1152.2	1147.9	1153.7	1155.1
5°	1147.9	1149.4	1146.6	1150.9	1152.2
7.5°	1143.7	1143.7	1140.9	1145.1	1146.6
10°	1135.3	1135.3	1132.4	1136.6	1138.1
12.5°	1124.0	1124.0	1122.5	1125.3	1126.8
15°	1111.2	1112.5	1108.3	1112.5	1112.5
17.5°	1095.5	1094.2	1092.7	1095.5	1097.0
20°	1077.1	1077.1	1072.9	1075.8	1077.1
22.5°	1055.8	1055.8	1054.5	1055.8	1054.5
25°	1033.2	1031.7	1028.9	1030.4	1031.7
27.5°	1006.3	1006.3	1003.4	1003.4	1002.0
30°	979.3	977.8	973.7	970.9	972.2
32.5°	946.8	945.3	941.1	938.3	939.6
35°	912.7	911.3	905.7	901.4	900.0
37.5°	878.8	874.4	867.3	861.6	856.0
40°	836.2	831.9	824.9	812.1	810.6
42.5°	793.6	789.5	778.0	762.5	758.2
45°	748.3	744.1	724.2	700.1	694.4
47.5°	700.1	693.1	661.8	632.1	620.8
50°	646.3	633.5	596.6	558.4	545.6
52.5°	593.8	571.2	523.0	488.9	476.3
55°	531.5	504.5	452.2	426.6	419.4
57.5°	476.3	439.4	396.8	371.4	365.7
60°	412.4	378.4	344.4	321.7	313.2
62.5°	354.3	324.5	296.2	276.3	266.5
65°	299.1	275.0	252.3	232.4	225.4
67.5°	245.2	232.4	214.0	198.5	194.2
70°	199.8	192.7	180.0	172.9	167.2
72.5°	158.8	161.6	153.1	150.3	146.0
75°	127.5	129.0	130.3	126.2	123.3
77.5°	96.4	103.4	109.1	106.2	103.4
80°	72.3	79.3	89.3	85.1	85.1
82.5°	49.5	58.2	66.7	63.8	62.3
85°	28.4	36.9	45.4	42.6	39.7
87.5°	11.3	18.4	19.8	19.8	18.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)