

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: P1050929

Luminaire Tested: 24PTR-35-PR1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050929
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: 24PTR-35-PR1-L830-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

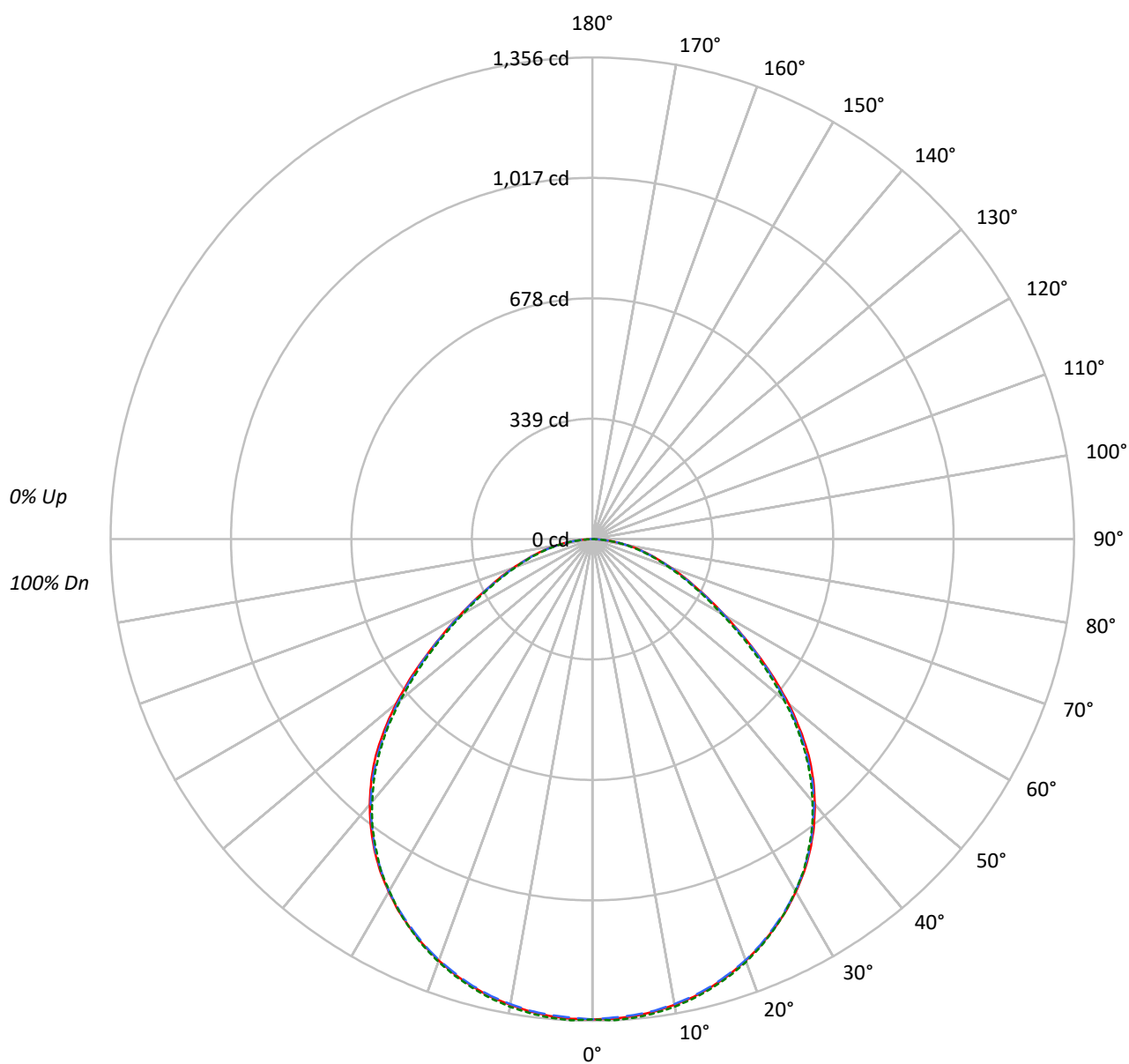
Lumens per Lamp: N/A
Luminaire Lumens: 3419.3 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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°	1819	1819	1819
5°	1821	1817	1827
10°	1819	1816	1826
15°	1816	1813	1822
20°	1808	1806	1813
25°	1796	1792	1799
30°	1780	1778	1776
35°	1756	1752	1745
40°	1712	1705	1693
45°	1640	1622	1610
50°	1509	1492	1474
55°	1336	1330	1304
60°	1161	1157	1125
65°	1023	1017	996
70°	928	915	896
75°	859	840	824
80°	784	773	748
85°	619	614	590

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1640 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.2	3.8
10°-20°	368.1	10.8
20°-30°	557.7	16.3
30°-40°	665.7	19.5
40°-50°	654.7	19.1
50°-60°	506.0	14.8
60°-70°	319.1	9.3
70°-80°	172.6	5.0
80°-90°	47.1	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°	1054.0	30.8
0°-40°	1719.7	50.3
0°-60°	2880.4	84.2
0°-90°	3419.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3419.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1352	1352	1352	1352	1352	
5°	1348	1349	1345	1351	1353	128
15°	1304	1304	1302	1306	1308	368
25°	1210	1211	1207	1211	1212	558
35°	1069	1069	1067	1065	1062	668
45°	862	859	852	846	846	660
55°	569	574	567	558	556	511
65°	321	322	319	314	313	323
75°	165	163	162	162	158	176
85°	40	41	40	40	38	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1352.0	1352.0	1352.0	1352.0	1352.0
2.5°	1351.5	1352.0	1348.1	1354.5	1355.9
5°	1348.1	1348.7	1345.2	1351.0	1352.6
7.5°	1341.3	1342.3	1339.0	1344.8	1346.2
10°	1331.6	1332.7	1329.3	1335.1	1336.5
12.5°	1319.6	1320.0	1317.2	1322.4	1323.9
15°	1303.6	1304.0	1301.7	1305.9	1307.8
17.5°	1285.1	1285.6	1282.3	1287.6	1288.5
20°	1262.9	1263.3	1261.3	1265.7	1266.3
22.5°	1238.1	1239.2	1236.2	1240.0	1240.6
25°	1210.1	1211.0	1207.1	1211.0	1211.5
27.5°	1180.5	1180.9	1177.5	1180.5	1180.0
30°	1146.0	1149.0	1144.6	1143.6	1143.2
32.5°	1110.3	1110.6	1106.4	1105.4	1107.3
35°	1069.1	1069.4	1066.6	1065.2	1062.2
37.5°	1024.0	1024.0	1018.6	1017.7	1017.1
40°	974.5	974.0	970.7	967.3	963.8
42.5°	920.7	921.7	914.8	909.0	908.2
45°	862.0	858.7	852.3	845.7	846.2
47.5°	792.8	793.7	785.1	779.6	778.2
50°	721.0	721.0	712.9	707.1	704.1
52.5°	646.0	646.5	638.8	631.0	629.4
55°	569.4	574.2	566.9	557.8	555.8
57.5°	497.7	501.6	494.7	485.1	484.5
60°	431.4	431.7	429.8	420.6	418.2
62.5°	374.7	372.2	371.2	366.4	363.4
65°	321.3	321.9	319.4	313.9	313.0
67.5°	278.2	277.7	273.3	269.9	268.0
70°	235.9	234.5	232.6	229.8	227.8
72.5°	198.3	198.3	196.7	195.8	192.4
75°	165.3	163.4	161.5	162.3	158.5
77.5°	133.8	131.9	130.3	128.4	127.5
80°	101.2	99.3	99.8	96.8	96.5
82.5°	70.3	70.3	69.4	66.9	67.4
85°	40.1	40.7	39.8	40.1	38.2
87.5°	14.6	15.0	16.0	15.0	15.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)