

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: P1050962

Luminaire Tested: 24PTR-35-PR1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050962
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-L850-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

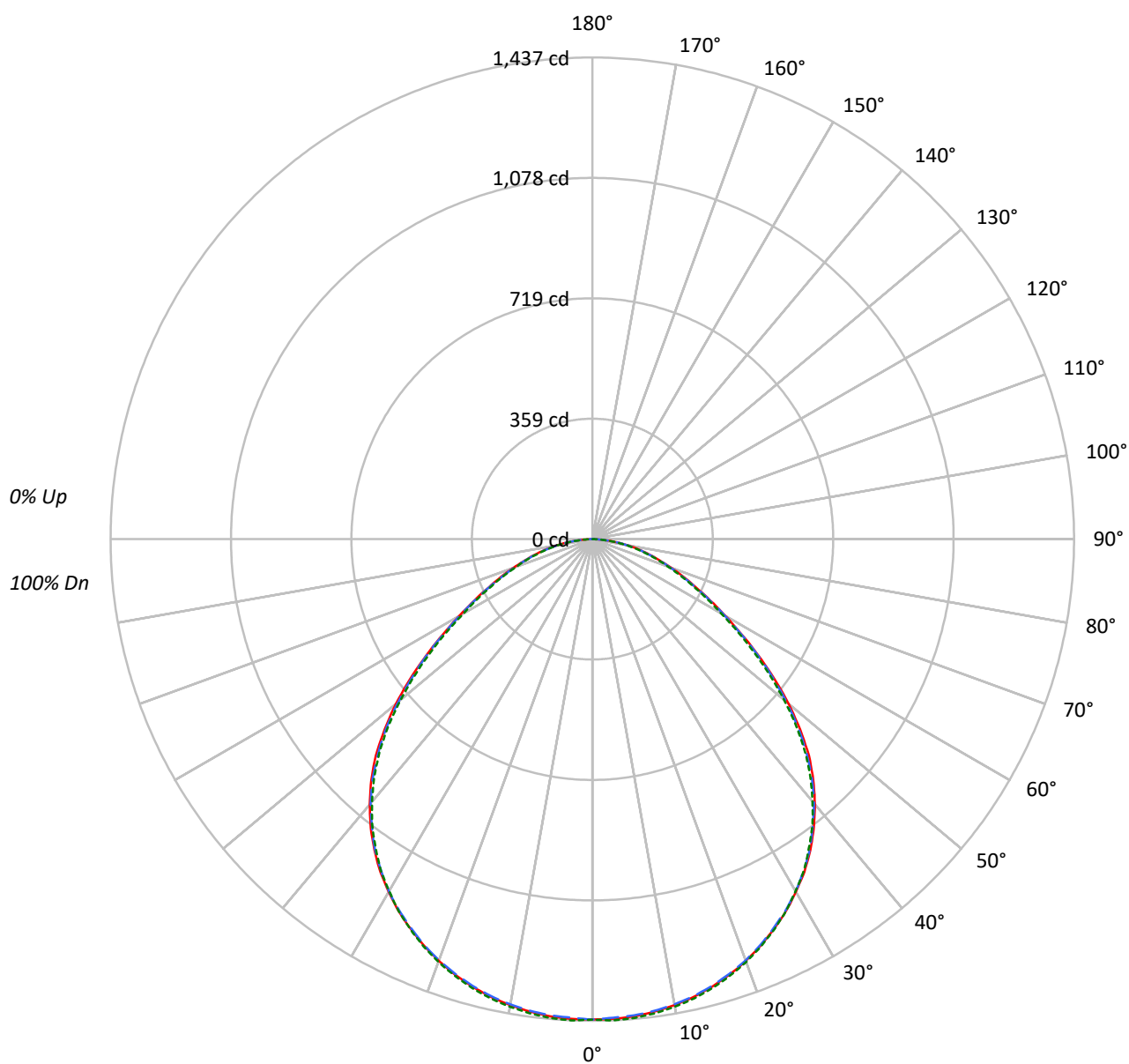
Lumens per Lamp: N/A
Luminaire Lumens: 3624.9 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1928	1928	1928
5°	1930	1926	1937
10°	1929	1925	1936
15°	1925	1922	1931
20°	1917	1915	1922
25°	1905	1900	1907
30°	1888	1885	1883
35°	1862	1857	1850
40°	1815	1807	1795
45°	1739	1719	1707
50°	1600	1582	1562
55°	1416	1410	1382
60°	1231	1226	1193
65°	1084	1078	1057
70°	984	970	950
75°	911	890	873
80°	831	820	793
85°	658	651	625

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1739 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.0	3.8
10°-20°	390.3	10.8
20°-30°	591.2	16.3
30°-40°	705.8	19.5
40°-50°	694.1	19.1
50°-60°	536.4	14.8
60°-70°	338.3	9.3
70°-80°	183.0	5.0
80°-90°	50.0	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°	1117.4	30.8
0°-40°	1823.2	50.3
0°-60°	3053.7	84.2
0°-90°	3624.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3624.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1433	1433	1433	1433	1433	
5°	1429	1430	1426	1432	1434	136
15°	1382	1382	1380	1384	1386	390
25°	1283	1284	1280	1284	1284	591
35°	1133	1134	1131	1129	1126	708
45°	914	910	904	896	897	700
55°	604	609	601	591	589	542
65°	341	341	339	333	332	343
75°	175	173	171	172	168	186
85°	43	43	42	43	40	51
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1433.3	1433.3	1433.3	1433.3	1433.3
2.5°	1432.8	1433.3	1429.2	1435.9	1437.4
5°	1429.2	1429.8	1426.1	1432.2	1433.9
7.5°	1421.9	1423.1	1419.5	1425.7	1427.2
10°	1411.7	1412.8	1409.3	1415.4	1416.9
12.5°	1399.0	1399.4	1396.4	1402.0	1403.5
15°	1382.0	1382.4	1380.0	1384.4	1386.5
17.5°	1362.4	1363.0	1359.4	1365.0	1366.0
20°	1338.9	1339.3	1337.2	1341.9	1342.4
22.5°	1312.6	1313.7	1310.5	1314.6	1315.2
25°	1282.9	1283.8	1279.7	1283.8	1284.4
27.5°	1251.5	1251.9	1248.4	1251.5	1251.0
30°	1214.9	1218.1	1213.5	1212.3	1212.0
32.5°	1177.1	1177.4	1172.9	1171.8	1173.9
35°	1133.4	1133.8	1130.8	1129.3	1126.1
37.5°	1085.6	1085.6	1079.8	1078.9	1078.3
40°	1033.1	1032.6	1029.0	1025.5	1021.8
42.5°	976.0	977.1	969.9	963.7	962.8
45°	913.9	910.3	903.6	896.5	897.1
47.5°	840.5	841.4	832.3	826.5	825.0
50°	764.4	764.4	755.8	749.6	746.4
52.5°	684.8	685.4	677.2	669.0	667.3
55°	603.6	608.7	601.0	591.3	589.3
57.5°	527.7	531.8	524.5	514.2	513.7
60°	457.3	457.7	455.6	445.9	443.3
62.5°	397.2	394.6	393.5	388.4	385.3
65°	340.6	341.2	338.6	332.8	331.9
67.5°	294.9	294.4	289.7	286.1	284.1
70°	250.1	248.6	246.6	243.6	241.5
72.5°	210.2	210.2	208.5	207.6	204.0
75°	175.3	173.2	171.2	172.1	168.0
77.5°	141.9	139.8	138.1	136.1	135.1
80°	107.3	105.3	105.8	102.7	102.3
82.5°	74.5	74.5	73.5	70.9	71.5
85°	42.6	43.1	42.2	42.6	40.5
87.5°	15.5	15.9	17.0	15.9	15.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)