

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: P1050633

Luminaire Tested: 24PTR-40-PC3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050633
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: 24PTR-40-PC3-L835-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

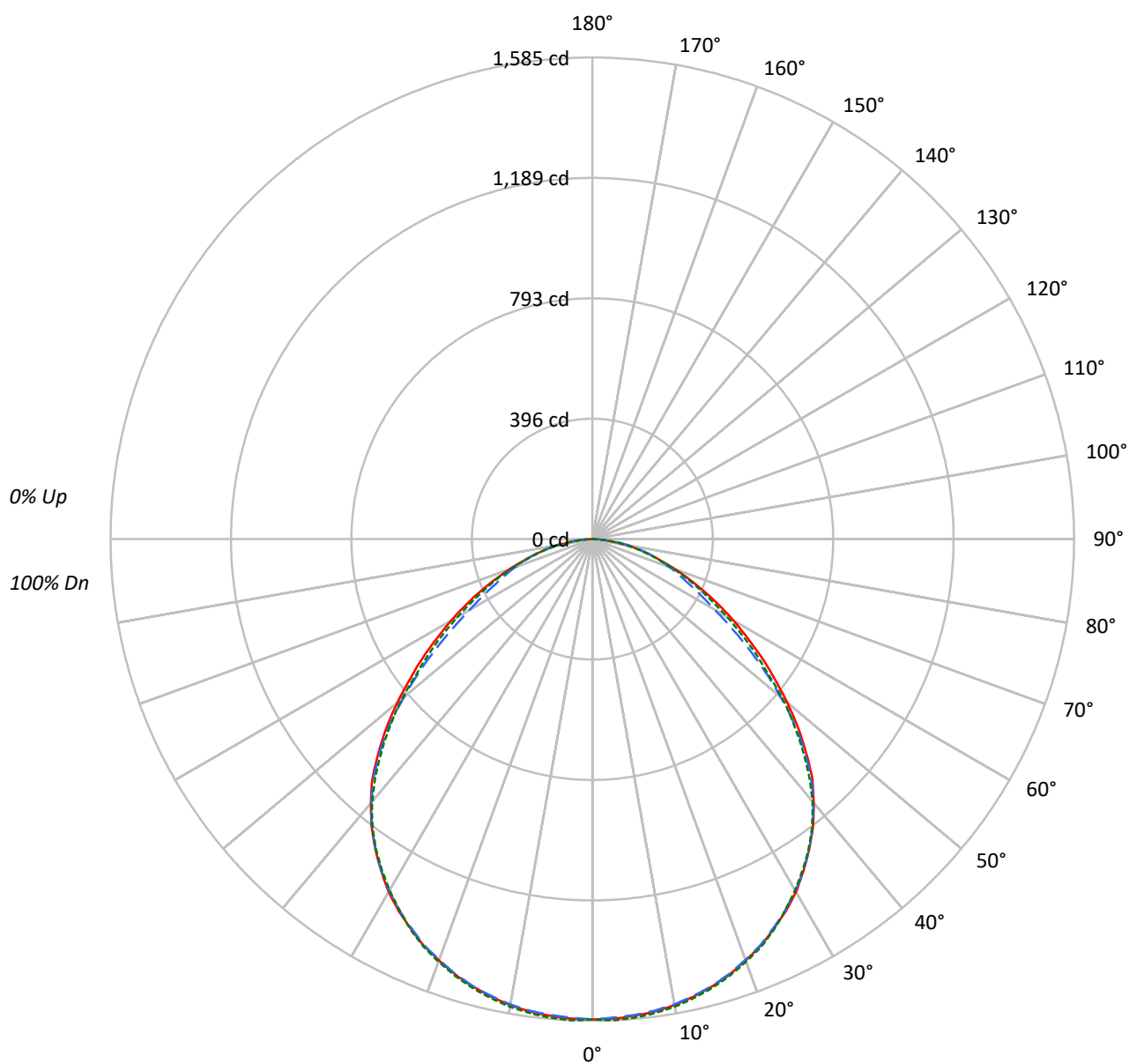
Lumens per Lamp: N/A
Luminaire Lumens: 3984.8 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 33
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	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2127	2127	2127
5°	2127	2123	2136
10°	2127	2123	2135
15°	2122	2120	2129
20°	2113	2109	2118
25°	2098	2095	2103
30°	2082	2076	2072
35°	2045	2043	2039
40°	1991	1988	1979
45°	1893	1879	1860
50°	1752	1694	1712
55°	1599	1470	1536
60°	1442	1253	1375
65°	1289	1122	1237
70°	1143	1061	1112
75°	1011	1028	991
80°	872	982	867
85°	653	777	653

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1897 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.9	3.8
10°-20°	430.3	10.8
20°-30°	651.5	16.3
30°-40°	776.7	19.5
40°-50°	758.9	19.0
50°-60°	580.3	14.6
60°-70°	372.6	9.4
70°-80°	207.3	5.2
80°-90°	57.2	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°	1231.7	30.9
0°-40°	2008.4	50.4
0°-60°	3347.7	84.0
0°-90°	3984.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3984.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1580	1580	1580	1580	1580	
5°	1575	1576	1572	1580	1581	150
15°	1523	1525	1522	1527	1529	430
25°	1413	1415	1411	1416	1417	652
35°	1245	1246	1244	1243	1241	778
45°	995	997	988	985	978	766
55°	682	658	626	634	655	609
65°	405	374	352	364	388	404
75°	194	196	198	195	191	208
85°	42	50	50	49	42	52
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1580.5	1580.5	1580.5	1580.5	1580.5
2.5°	1579.5	1580.1	1576.0	1582.8	1585.1
5°	1575.0	1576.0	1572.1	1579.5	1581.2
7.5°	1568.2	1569.2	1565.3	1572.7	1573.4
10°	1556.9	1557.5	1554.1	1561.4	1562.5
12.5°	1541.7	1543.4	1539.5	1546.2	1546.7
15°	1523.4	1524.7	1521.8	1526.9	1528.6
17.5°	1502.1	1502.7	1499.8	1505.4	1506.0
20°	1475.4	1475.4	1473.1	1479.5	1479.5
22.5°	1448.3	1446.6	1446.0	1448.3	1451.8
25°	1413.4	1415.0	1411.1	1415.6	1416.6
27.5°	1379.5	1379.5	1376.0	1378.2	1375.4
30°	1340.4	1338.2	1335.9	1336.3	1333.7
32.5°	1293.4	1293.4	1292.4	1292.4	1288.9
35°	1244.9	1246.0	1243.7	1243.1	1241.4
37.5°	1192.8	1194.6	1190.5	1189.5	1188.2
40°	1133.4	1133.4	1131.7	1129.5	1126.6
42.5°	1071.8	1071.8	1064.6	1058.8	1054.9
45°	995.0	997.2	987.6	985.3	977.5
47.5°	918.5	916.9	904.0	902.3	897.8
50°	837.2	827.6	809.1	814.0	818.1
52.5°	755.9	744.0	716.8	722.4	729.2
55°	681.7	658.1	626.5	634.3	654.6
57.5°	604.3	572.7	541.0	555.8	581.1
60°	535.9	500.4	465.8	481.7	511.0
62.5°	470.4	432.6	404.8	420.0	444.9
65°	404.8	373.6	352.3	364.0	388.4
67.5°	344.9	323.9	309.3	314.9	334.6
70°	290.6	277.5	269.7	271.3	282.6
72.5°	239.1	235.8	232.9	232.9	233.9
75°	194.5	196.2	197.8	195.1	190.6
77.5°	153.2	158.8	162.9	157.1	151.6
80°	112.6	121.6	126.7	120.4	111.9
82.5°	76.8	87.1	88.7	84.8	75.2
85°	42.3	49.7	50.3	48.7	42.3
87.5°	15.8	18.7	20.3	18.7	16.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)