

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: P1050632

Luminaire Tested: 24PTR-35-PC3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050632
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-35-PC3-L835-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

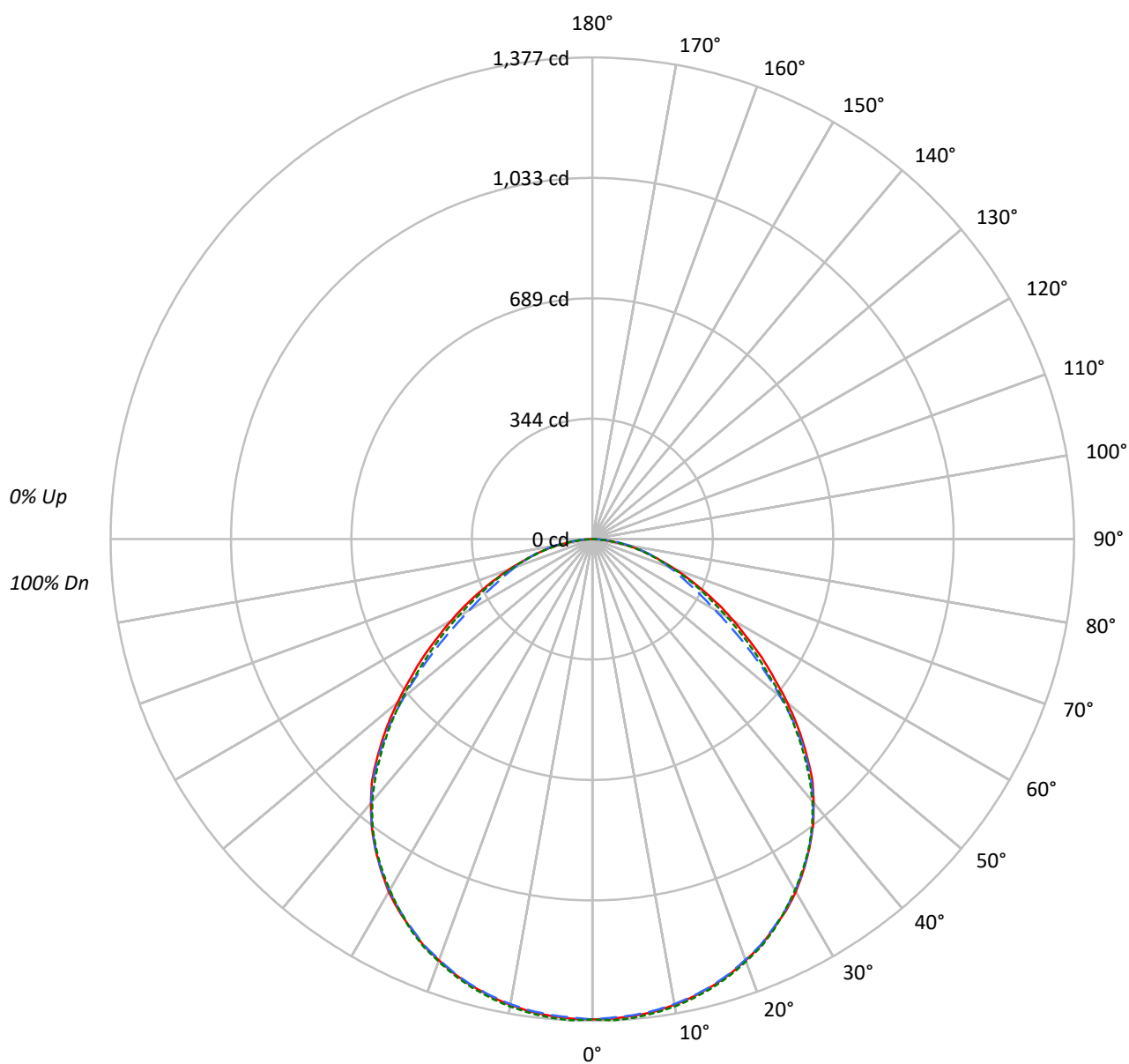
Lumens per Lamp: N/A
Luminaire Lumens: 3461.0 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1050632

CATALOG NUMBER: 24PTR-35-PC3-L835-UNV-STD-W

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°	1847	1847	1847
5°	1848	1844	1855
10°	1848	1844	1854
15°	1843	1841	1849
20°	1835	1832	1840
25°	1822	1820	1827
30°	1809	1803	1800
35°	1776	1774	1771
40°	1729	1727	1719
45°	1644	1632	1615
50°	1522	1471	1487
55°	1389	1276	1334
60°	1252	1089	1195
65°	1119	974	1074
70°	993	921	966
75°	878	893	861
80°	758	853	753
85°	568	675	568

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1648 cd/sqm

TEST NUMBER: P1050632

CATALOG NUMBER: 24PTR-35-PC3-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.2	3.8
10°-20°	373.7	10.8
20°-30°	565.8	16.3
30°-40°	674.6	19.5
40°-50°	659.2	19.0
50°-60°	504.0	14.6
60°-70°	323.6	9.3
70°-80°	180.0	5.2
80°-90°	49.7	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°	1069.8	30.9
0°-40°	1744.4	50.4
0°-60°	2907.6	84.0
0°-90°	3461.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3461.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1373	1373	1373	1373	1373	
5°	1368	1369	1366	1372	1373	130
15°	1323	1324	1322	1326	1328	373
25°	1228	1229	1226	1230	1230	566
35°	1081	1082	1080	1080	1078	675
45°	864	866	858	856	849	665
55°	592	572	544	551	569	529
65°	352	324	306	316	337	351
75°	169	170	172	170	166	181
85°	37	43	44	42	37	45
90°	0	0	0	0	0	

TEST NUMBER: P1050632

CATALOG NUMBER: 24PTR-35-PC3-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1372.8	1372.8	1372.8	1372.8	1372.8
2.5°	1371.9	1372.4	1368.9	1374.7	1376.7
5°	1368.0	1368.9	1365.5	1371.9	1373.3
7.5°	1362.1	1363.0	1359.6	1366.0	1366.5
10°	1352.3	1352.8	1349.8	1356.2	1357.1
12.5°	1339.1	1340.5	1337.1	1343.0	1343.3
15°	1323.2	1324.3	1321.8	1326.2	1327.6
17.5°	1304.6	1305.2	1302.7	1307.5	1308.0
20°	1281.4	1281.4	1279.5	1285.0	1285.0
22.5°	1257.9	1256.5	1255.9	1257.9	1260.9
25°	1227.6	1229.0	1225.6	1229.5	1230.4
27.5°	1198.1	1198.1	1195.1	1197.1	1194.6
30°	1164.2	1162.3	1160.3	1160.7	1158.3
32.5°	1123.4	1123.4	1122.5	1122.5	1119.5
35°	1081.3	1082.2	1080.2	1079.7	1078.2
37.5°	1036.0	1037.6	1034.0	1033.1	1032.0
40°	984.4	984.4	983.0	981.0	978.5
42.5°	930.9	930.9	924.6	919.6	916.3
45°	864.2	866.1	857.7	855.8	849.0
47.5°	797.8	796.4	785.1	783.7	779.8
50°	727.2	718.8	702.7	707.0	710.6
52.5°	656.5	646.2	622.6	627.4	633.3
55°	592.1	571.6	544.1	550.9	568.6
57.5°	524.9	497.4	469.9	482.7	504.7
60°	465.4	434.6	404.6	418.3	443.9
62.5°	408.5	375.7	351.6	364.8	386.4
65°	351.6	324.5	306.0	316.1	337.4
67.5°	299.5	281.3	268.7	273.5	290.6
70°	252.4	241.0	234.2	235.7	245.5
72.5°	207.7	204.8	202.3	202.3	203.2
75°	168.9	170.4	171.8	169.5	165.6
77.5°	133.1	137.9	141.5	136.5	131.7
80°	97.8	105.6	110.1	104.5	97.2
82.5°	66.7	75.6	77.1	73.7	65.3
85°	36.8	43.2	43.7	42.3	36.8
87.5°	13.7	16.2	17.7	16.2	14.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)