

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: P1050200

Luminaire Tested: PTR-14-40-PC3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050200
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: PTR-14-40-PC3-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

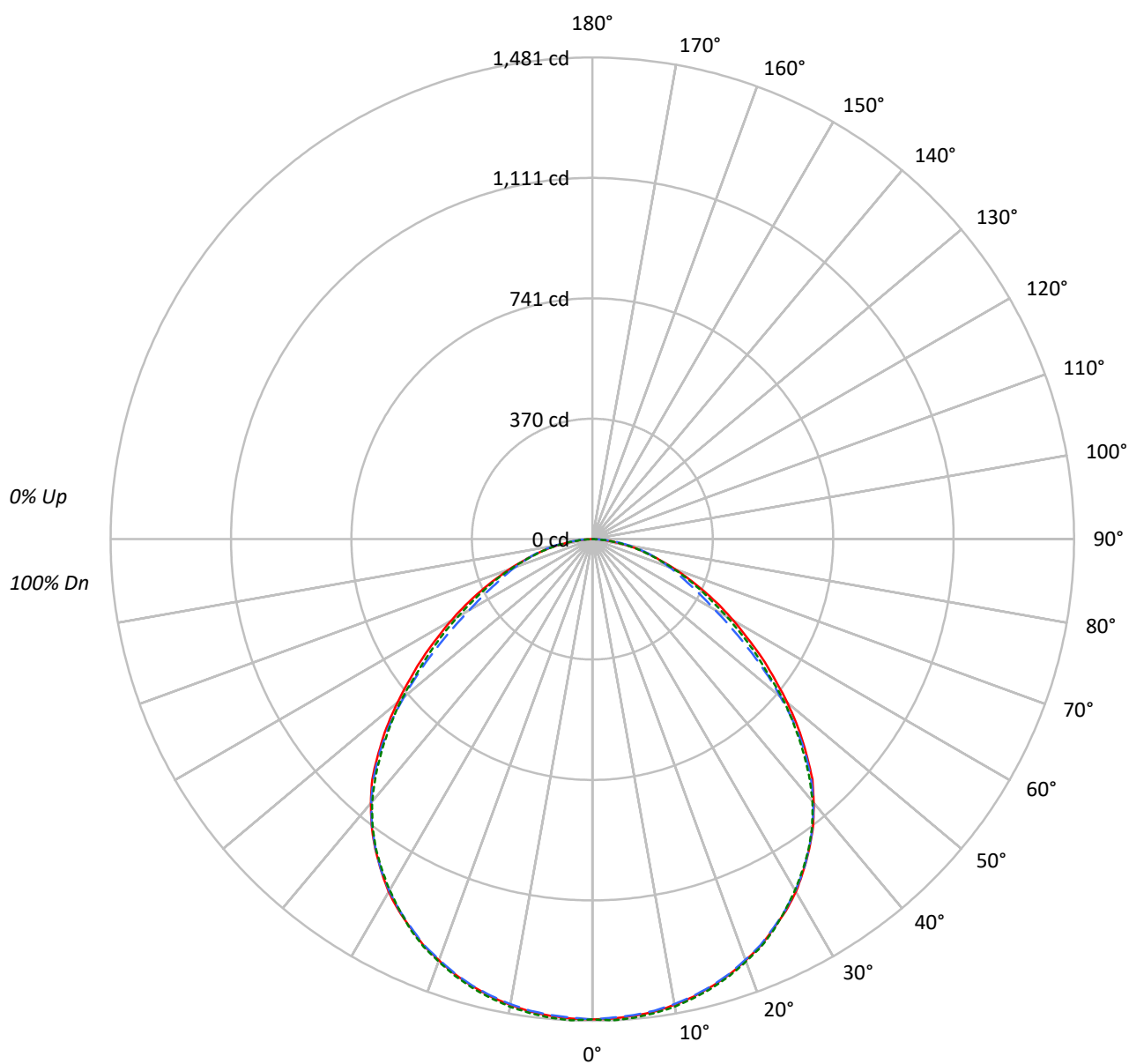
Lumens per Lamp: N/A
Luminaire Lumens: 3722.7 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.1
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: P1050200

CATALOG NUMBER: PTR-14-40-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°	3973	3973	3973
5°	3975	3967	3990
10°	3974	3967	3989
15°	3965	3961	3979
20°	3947	3941	3958
25°	3920	3914	3930
30°	3891	3878	3872
35°	3821	3817	3810
40°	3720	3714	3697
45°	3537	3511	3475
50°	3275	3165	3200
55°	2988	2746	2869
60°	2694	2342	2569
65°	2408	2096	2311
70°	2136	1983	2077
75°	1889	1921	1852
80°	1630	1835	1621
85°	1220	1451	1220

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3545 cd/sqm

TEST NUMBER: P1050200

CATALOG NUMBER: PTR-14-40-PC3-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.1	3.8
10°-20°	402.0	10.8
20°-30°	608.6	16.3
30°-40°	725.6	19.5
40°-50°	709.0	19.0
50°-60°	542.2	14.6
60°-70°	348.1	9.4
70°-80°	193.7	5.2
80°-90°	53.5	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°	1150.7	30.9
0°-40°	1876.3	50.4
0°-60°	3127.5	84.0
0°-90°	3722.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3722.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1477	1477	1477	1477	1477	
5°	1471	1472	1469	1476	1477	140
15°	1423	1424	1422	1426	1428	402
25°	1320	1322	1318	1322	1324	609
35°	1163	1164	1162	1161	1160	727
45°	930	932	923	920	913	715
55°	637	615	585	593	612	569
65°	378	349	329	340	363	377
75°	182	183	185	182	178	194
85°	40	46	47	46	40	49
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1476.6	1476.6	1476.6	1476.6	1476.6
2.5°	1475.6	1476.2	1472.4	1478.7	1480.8
5°	1471.4	1472.4	1468.7	1475.6	1477.2
7.5°	1465.1	1466.1	1462.4	1469.3	1469.9
10°	1454.5	1455.1	1451.9	1458.8	1459.7
12.5°	1440.3	1441.9	1438.2	1444.6	1444.9
15°	1423.3	1424.4	1421.7	1426.5	1428.1
17.5°	1403.3	1403.9	1401.2	1406.4	1407.0
20°	1378.4	1378.4	1376.2	1382.2	1382.2
22.5°	1353.0	1351.5	1350.9	1353.0	1356.3
25°	1320.4	1321.9	1318.3	1322.5	1323.5
27.5°	1288.7	1288.7	1285.5	1287.6	1284.9
30°	1252.3	1250.2	1248.1	1248.4	1246.0
32.5°	1208.3	1208.3	1207.4	1207.4	1204.1
35°	1163.1	1164.0	1161.9	1161.3	1159.8
37.5°	1114.3	1116.0	1112.2	1111.2	1110.1
40°	1058.9	1058.9	1057.3	1055.2	1052.5
42.5°	1001.3	1001.3	994.6	989.2	985.6
45°	929.5	931.6	922.6	920.5	913.2
47.5°	858.1	856.6	844.5	843.0	838.8
50°	782.2	773.1	755.9	760.5	764.3
52.5°	706.2	695.0	669.7	674.9	681.2
55°	636.9	614.8	585.3	592.6	611.6
57.5°	564.5	535.0	505.4	519.3	542.9
60°	500.6	467.4	435.2	450.0	477.4
62.5°	439.4	404.1	378.2	392.4	415.6
65°	378.2	349.1	329.1	340.0	362.9
67.5°	322.2	302.6	289.0	294.2	312.6
70°	271.5	259.2	252.0	253.5	264.0
72.5°	223.4	220.3	217.6	217.6	218.6
75°	181.7	183.3	184.8	182.3	178.1
77.5°	143.2	148.3	152.2	146.8	141.6
80°	105.2	113.6	118.4	112.4	104.6
82.5°	71.8	81.4	82.9	79.3	70.2
85°	39.5	46.4	47.0	45.5	39.5
87.5°	14.8	17.5	19.0	17.5	15.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)