

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: P1050347

Luminaire Tested: PTR-14-40-PP3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050347
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-40-PP3-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

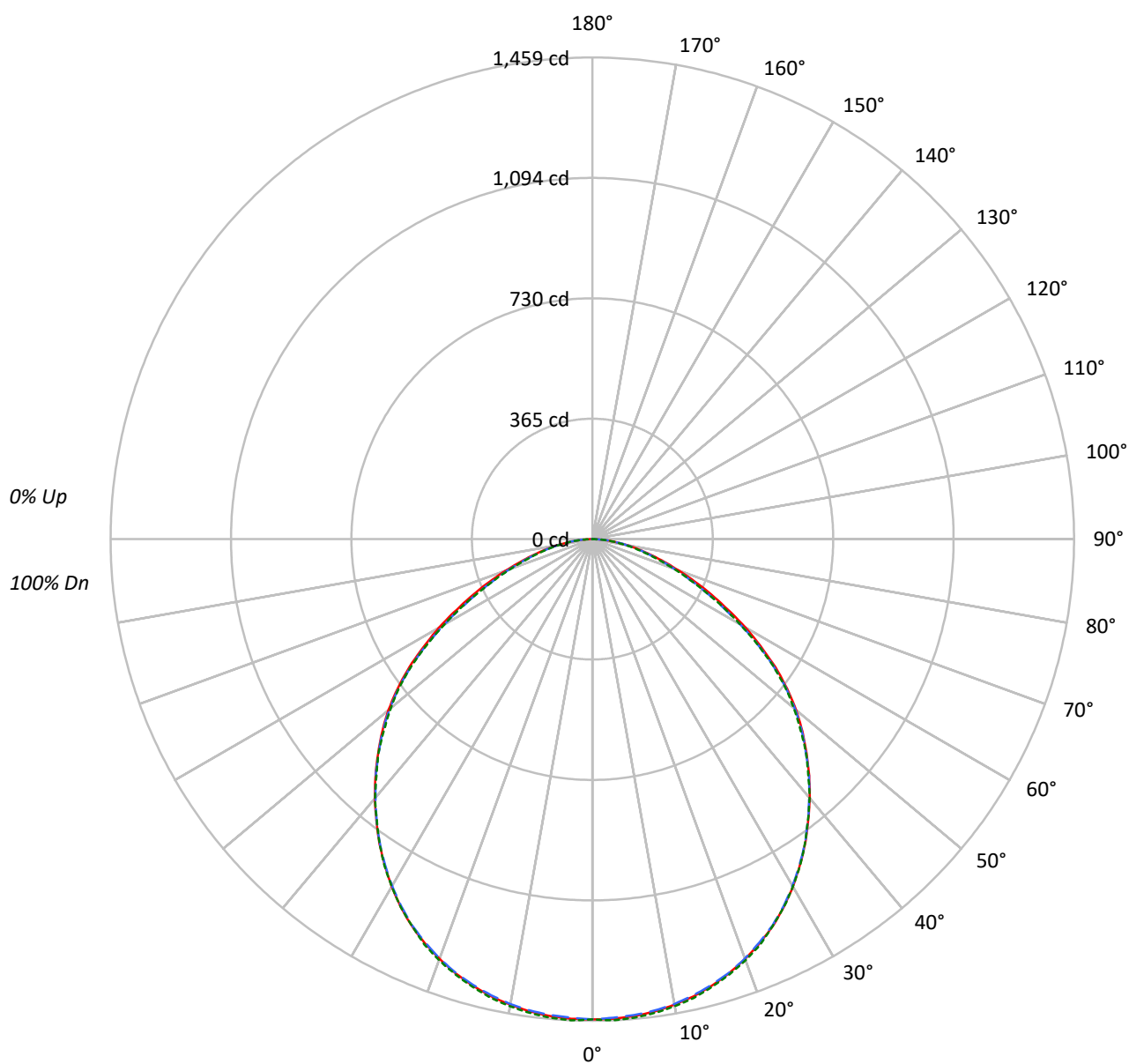
Lumens per Lamp: N/A
Luminaire Lumens: 3758.8 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3915	3915	3915
5°	3918	3910	3931
10°	3913	3907	3926
15°	3900	3892	3910
20°	3874	3871	3887
25°	3840	3833	3838
30°	3775	3768	3775
35°	3693	3688	3691
40°	3599	3587	3596
45°	3491	3480	3484
50°	3374	3358	3334
55°	3176	3139	3129
60°	2882	2785	2790
65°	2532	2404	2401
70°	2189	2090	2065
75°	1893	1824	1783
80°	1677	1654	1579
85°	1386	1433	1349

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3503 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.0	3.7
10°-20°	395.3	10.5
20°-30°	595.1	15.8
30°-40°	702.3	18.7
40°-50°	706.3	18.8
50°-60°	596.3	15.9
60°-70°	383.0	10.2
70°-80°	190.5	5.1
80°-90°	52.2	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°	1128.3	30.0
0°-40°	1830.6	48.7
0°-60°	3133.2	83.4
0°-90°	3758.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3758.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1455	1455	1455	1455	1455	
5°	1451	1451	1447	1454	1455	138
15°	1400	1400	1397	1404	1404	395
25°	1293	1294	1291	1294	1293	595
35°	1124	1125	1123	1124	1124	703
45°	917	920	914	916	916	708
55°	677	676	669	666	667	602
65°	398	392	378	374	377	396
75°	182	181	175	174	172	197
85°	45	46	46	44	44	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1454.8	1454.8	1454.8	1454.8	1454.8
2.5°	1454.2	1454.8	1451.0	1457.9	1459.0
5°	1450.6	1451.0	1447.3	1454.2	1455.2
7.5°	1443.1	1443.7	1440.4	1446.7	1447.9
10°	1432.0	1433.7	1429.9	1435.8	1436.8
12.5°	1418.3	1418.9	1415.1	1422.0	1423.1
15°	1399.9	1400.3	1397.2	1403.6	1403.6
17.5°	1378.6	1379.2	1377.1	1382.5	1381.9
20°	1352.9	1354.4	1351.8	1355.4	1357.5
22.5°	1324.9	1325.5	1322.2	1327.0	1329.1
25°	1293.2	1293.6	1291.1	1293.6	1292.7
27.5°	1256.2	1257.2	1253.5	1256.2	1256.8
30°	1215.0	1217.6	1212.5	1214.6	1215.0
32.5°	1170.6	1172.2	1168.5	1169.1	1171.8
35°	1124.2	1124.8	1122.7	1123.6	1123.6
37.5°	1074.1	1076.2	1073.0	1074.5	1072.4
40°	1024.4	1022.3	1021.2	1022.3	1023.8
42.5°	972.0	972.6	971.1	969.9	967.4
45°	917.2	920.4	914.5	915.6	915.6
47.5°	863.4	863.8	860.8	857.5	855.4
50°	805.9	805.9	802.0	799.5	796.3
52.5°	742.9	742.0	737.8	735.1	736.6
55°	676.9	676.4	669.1	666.4	667.0
57.5°	604.6	605.7	594.6	591.9	591.9
60°	535.5	530.1	517.5	513.8	518.4
62.5°	463.0	456.7	443.0	443.0	446.7
65°	397.6	391.8	377.6	373.8	377.0
67.5°	336.4	331.0	317.9	315.8	316.8
70°	278.2	273.6	265.6	260.8	262.5
72.5°	228.1	223.9	218.5	214.9	212.8
75°	182.1	181.1	175.4	173.6	171.5
77.5°	144.1	143.7	138.9	136.8	134.7
80°	108.2	107.6	106.7	103.4	101.9
82.5°	77.1	77.1	76.6	73.9	72.3
85°	44.9	46.4	46.4	43.7	43.7
87.5°	18.0	19.0	18.0	18.0	17.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)