

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: P1471763

Luminaire Tested: 24PTR-30S-PC3-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471763
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-30S-PC3-L835-UNV-STD-B
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PC3 Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

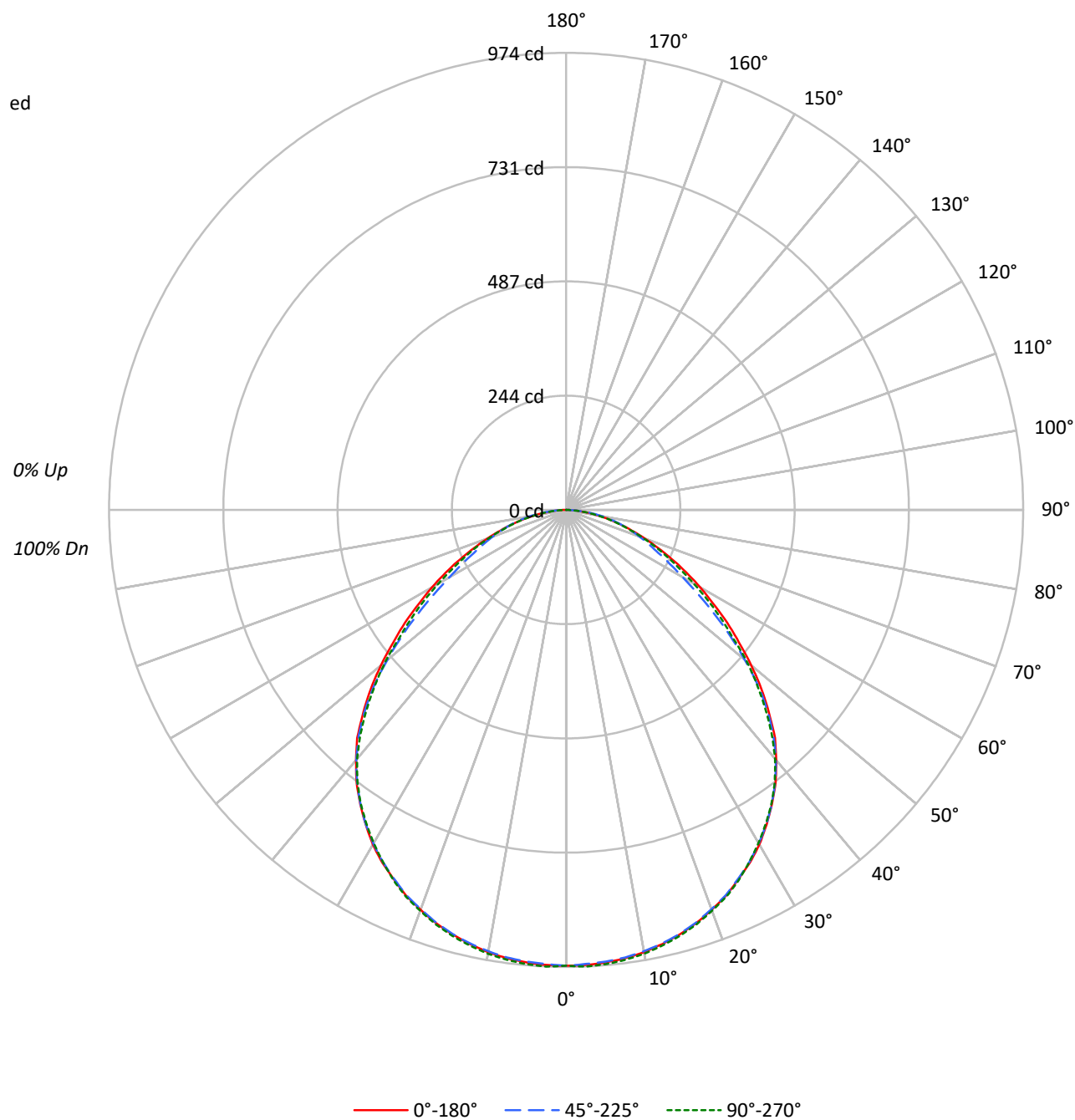
Lumens per Lamp: N/A
Luminaire Lumens: 2449.2 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85		85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		72
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62		62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27		27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1307	1307	1307
5°	1308	1305	1313
10°	1307	1305	1312
15°	1304	1303	1309
20°	1298	1296	1302
25°	1290	1288	1293
30°	1280	1276	1274
35°	1257	1256	1253
40°	1224	1222	1216
45°	1164	1155	1143
50°	1077	1041	1052
55°	983	903	944
60°	886	770	845
65°	792	689	760
70°	703	652	683
75°	622	632	609
80°	536	604	533
85°	401	477	401

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1166 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.1	3.8
10°-20°	264.5	10.8
20°-30°	400.4	16.3
30°-40°	477.4	19.5
40°-50°	466.5	19.0
50°-60°	356.7	14.6
60°-70°	229.0	9.4
70°-80°	127.4	5.2
80°-90°	35.2	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°	757.0	30.9
0°-40°	1234.4	50.4
0°-60°	2057.6	84.0
0°-90°	2449.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2449.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	972	972	972	972	972	
5°	968	969	966	971	972	92
15°	936	937	935	938	940	264
25°	869	870	867	870	871	401
35°	765	766	764	764	763	478
45°	612	613	607	606	601	471
55°	419	404	385	390	402	375
65°	249	230	216	224	239	248
75°	120	121	122	120	117	128
85°	26	31	31	30	26	32
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	971.5	971.5	971.5	971.5	971.5
2.5°	970.8	971.2	968.7	972.9	974.3
5°	968.1	968.7	966.3	970.8	971.9
7.5°	963.9	964.5	962.1	966.7	967.1
10°	957.0	957.3	955.2	959.7	960.4
12.5°	947.6	948.6	946.2	950.4	950.6
15°	936.4	937.1	935.4	938.5	939.5
17.5°	923.2	923.6	921.9	925.3	925.6
20°	906.8	906.8	905.4	909.4	909.4
22.5°	890.2	889.2	888.8	890.2	892.3
25°	868.7	869.7	867.3	870.1	870.7
27.5°	847.9	847.9	845.7	847.1	845.4
30°	823.9	822.5	821.1	821.4	819.7
32.5°	795.0	795.0	794.3	794.3	792.2
35°	765.2	765.8	764.4	764.0	763.0
37.5°	733.1	734.3	731.7	731.1	730.3
40°	696.6	696.6	695.6	694.2	692.5
42.5°	658.8	658.8	654.3	650.8	648.4
45°	611.5	612.9	607.0	605.6	600.8
47.5°	564.6	563.6	555.6	554.6	551.8
50°	514.6	508.7	497.3	500.3	502.8
52.5°	464.6	457.3	440.6	444.0	448.2
55°	419.0	404.5	385.1	389.9	402.4
57.5°	371.4	352.0	332.5	341.6	357.2
60°	329.4	307.5	286.3	296.1	314.1
62.5°	289.1	265.9	248.8	258.2	273.5
65°	248.8	229.6	216.5	223.7	238.7
67.5°	212.0	199.1	190.1	193.5	205.7
70°	178.6	170.6	165.8	166.8	173.7
72.5°	147.0	144.9	143.2	143.2	143.8
75°	119.6	120.6	121.6	119.9	117.2
77.5°	94.2	97.6	100.1	96.6	93.2
80°	69.2	74.7	77.9	74.0	68.8
82.5°	47.2	53.5	54.5	52.1	46.2
85°	26.0	30.6	30.9	29.9	26.0
87.5°	9.7	11.5	12.5	11.5	10.1
90°	0.0	0.0	0.0	0.0	0.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	11.4	13.0	11.8	13.3	13.6	11.2	12.7	11.5	13.0	13.4
	3H	12.8	14.2	13.2	14.6	14.9	12.6	14.0	13.0	14.4	14.7
	4H	13.4	14.7	13.8	15.0	15.4	13.2	14.5	13.6	14.8	15.2
	6H	13.8	15.0	14.2	15.4	15.7	13.6	14.8	14.0	15.2	15.6
	8H	13.9	15.0	14.3	15.4	15.8	13.7	14.9	14.1	15.3	15.7
	12H	13.9	15.1	14.4	15.4	15.9	13.8	14.9	14.2	15.3	15.7
4H	2H	11.8	13.1	12.2	13.4	13.8	11.6	12.9	12.0	13.3	13.6
	3H	13.5	14.6	13.9	15.0	15.4	13.3	14.4	13.7	14.8	15.2
	4H	14.2	15.1	14.6	15.6	16.0	14.0	15.0	14.4	15.4	15.8
	6H	14.7	15.6	15.2	16.0	16.5	14.6	15.4	15.0	15.9	16.3
	8H	14.9	15.7	15.3	16.1	16.6	14.7	15.5	15.2	16.0	16.4
	12H	15.0	15.7	15.5	16.2	16.6	14.8	15.6	15.3	16.0	16.5
8H	4H	14.4	15.2	14.9	15.7	16.1	14.3	15.1	14.7	15.5	16.0
	6H	15.1	15.8	15.6	16.3	16.7	15.0	15.6	15.5	16.1	16.6
	8H	15.3	15.9	15.8	16.4	16.9	15.2	15.8	15.7	16.3	16.8
	12H	15.5	16.0	16.0	16.5	17.1	15.4	15.9	15.9	16.4	17.0
12H	4H	14.4	15.2	14.9	15.6	16.1	14.3	15.0	14.8	15.5	16.0
	6H	15.2	15.8	15.7	16.2	16.8	15.0	15.6	15.6	16.1	16.6
	8H	15.4	16.0	16.0	16.5	17.0	15.3	15.9	15.8	16.3	16.9

(END OF REPORT)