Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1471769

Luminaire Tested: 24PTR-30S-PP3-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

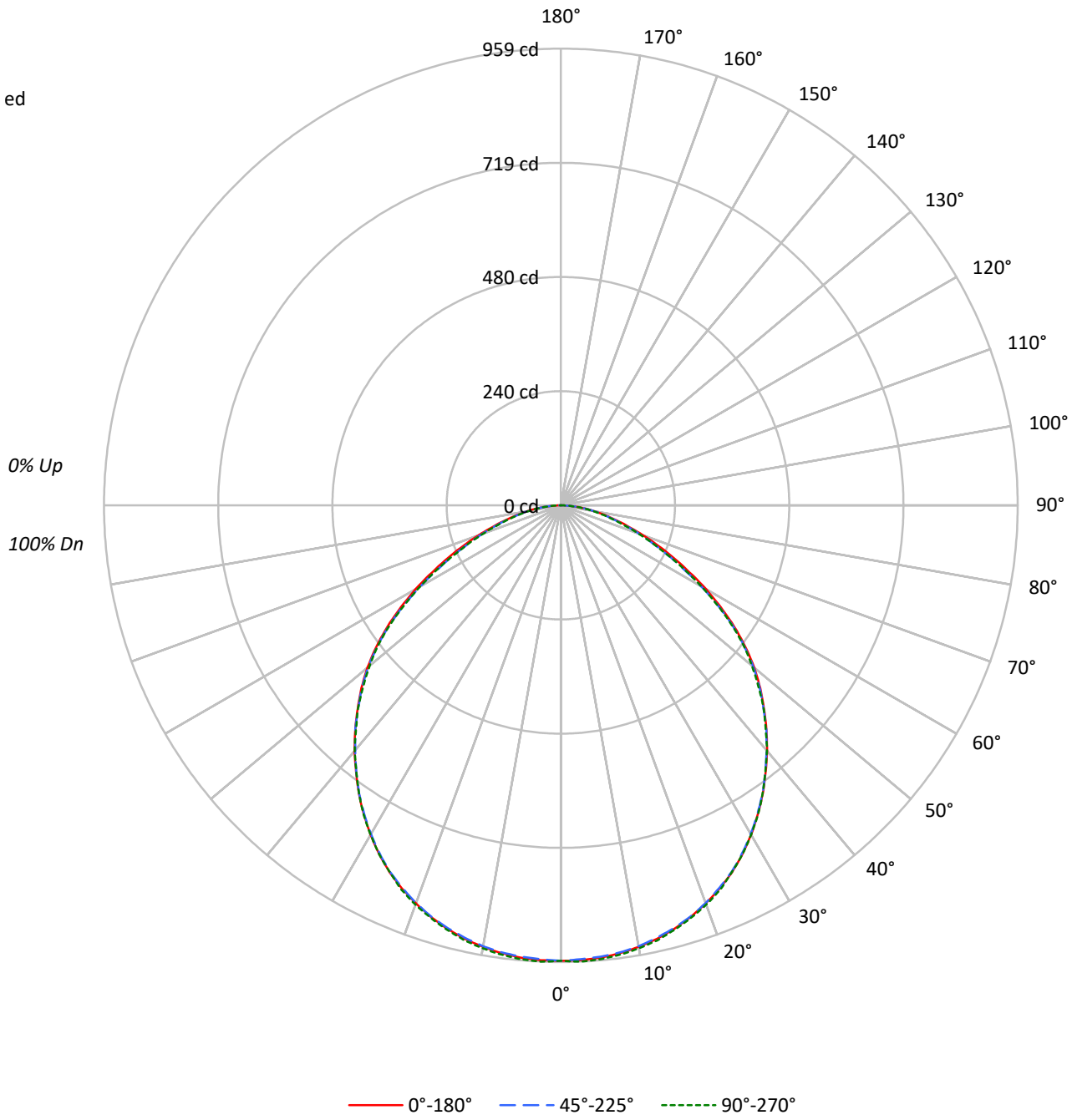
Test Method:	LM-79-2019
Report Number:	P1471769
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	24PTR-30S-PP3-L835-UNV-STD-B
Description:	3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PP3 Lens Black Recess Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2471.2 lumens
Efficiency:	N/A
Efficacy:	104.3 lumens/watt
Spacing Criteria (0/90/45):	1.24 / 1.24 / 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

TEST NUMBER: P1471769
CATALOG NUMBER: 24PTR-30S-PP3-L835-UNV-STD-B

Luminous Intensity Polar Plot



TEST NUMBER: P1471769
CATALOG NUMBER: 24PTR-30S-PP3-L835-UNV-STD-B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
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°	1287	1287	1287
5°	1288	1285	1292
10°	1286	1284	1291
15°	1282	1280	1285
20°	1273	1272	1278
25°	1262	1260	1262
30°	1241	1238	1241
35°	1214	1212	1213
40°	1183	1179	1182
45°	1147	1144	1145
50°	1109	1104	1096
55°	1044	1032	1029
60°	947	915	917
65°	832	790	789
70°	720	687	679
75°	622	599	586
80°	551	543	519
85°	455	471	445

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 45°
Luminance: 1151 cd/sqm

TEST NUMBER: P1471769
CATALOG NUMBER: 24PTR-30S-PP3-L835-UNV-STD-B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.7	3.7
10°-20°	259.8	10.5
20°-30°	391.2	15.8
30°-40°	461.7	18.7
40°-50°	464.4	18.8
50°-60°	392.0	15.9
60°-70°	251.8	10.2
70°-80°	125.2	5.1
80°-90°	34.3	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°	741.7	30.0
0°-40°	1203.5	48.7
0°-60°	2059.9	83.4
0°-90°	2471.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2471.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	956	956	956	956	956	
5°	954	954	952	956	957	91
15°	920	921	919	923	923	260
25°	850	850	849	850	850	391
35°	739	739	738	739	739	462
45°	603	605	601	602	602	465
55°	445	445	440	438	438	396
65°	261	258	248	246	248	261
75°	120	119	115	114	113	130
85°	30	30	30	29	29	35
90°	0	0	0	0	0	

TEST NUMBER: P1471769
CATALOG NUMBER: 24PTR-30S-PP3-L835-UNV-STD-B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	956.4	956.4	956.4	956.4	*956.4*
2.5°	*956.0*	*956.4*	*953.9*	*958.4*	*959.2*
5°	953.6	953.9	951.5	956.0	*956.7*
7.5°	948.7	949.1	947.0	951.1	*951.9*
10°	941.4	942.5	940.0	943.9	*944.6*
12.5°	932.4	932.8	930.3	934.8	*935.6*
15°	920.3	920.6	918.6	922.7	*922.7*
17.5°	906.3	906.7	905.3	908.9	*908.5*
20°	889.4	890.4	888.7	891.1	*892.5*
22.5°	871.0	871.4	869.3	872.4	*873.8*
25°	850.2	850.5	848.8	850.5	*849.8*
27.5°	825.9	826.5	824.1	825.9	*826.2*
30°	798.7	800.5	797.1	798.5	*798.7*
32.5°	769.6	770.6	768.2	768.6	*770.4*
35°	739.1	739.4	738.1	738.7	*738.7*
37.5°	706.1	707.5	705.4	706.4	*705.0*
40°	673.5	672.1	671.3	672.1	*673.1*
42.5°	639.0	639.4	638.4	637.7	*636.0*
45°	603.0	605.1	601.2	602.0	*602.0*
47.5°	567.6	567.9	565.9	563.7	*562.3*
50°	529.8	529.8	527.3	525.6	*523.5*
52.5°	488.4	487.8	485.0	483.3	*484.3*
55°	445.0	444.7	439.9	438.1	*438.5*
57.5°	397.5	398.2	390.9	389.2	*389.2*
60°	352.1	348.5	340.2	337.8	*340.8*
62.5°	304.4	300.2	291.3	291.3	*293.7*
65°	261.4	257.6	248.2	245.7	*247.9*
67.5°	221.1	217.6	209.0	207.6	*208.3*
70°	182.9	179.9	174.6	171.4	*172.6*
72.5°	150.0	147.2	143.7	141.3	*139.9*
75°	119.7	119.1	115.3	114.2	*112.8*
77.5°	94.7	94.5	91.3	89.9	*88.6*
80°	71.1	70.8	70.1	68.0	*67.0*
82.5°	50.7	50.7	50.3	48.6	*47.6*
85°	29.5	30.5	30.5	28.8	*28.8*
87.5°	11.9	12.5	11.9	11.9	*11.5*
90°	0.0	0.0	0.0	0.0	*0.0*

TEST NUMBER: P1471769
CATALOG NUMBER: 24PTR-30S-PP3-L835-UNV-STD-B

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	12.1	13.7	12.5	14.0	14.3	12.0	13.5	12.3	13.9	14.2
	3H	13.4	14.8	13.8	15.2	15.5	13.2	14.6	13.6	14.9	15.3
	4H	13.9	15.2	14.3	15.6	15.9	13.6	15.0	14.0	15.3	15.7
	6H	14.2	15.4	14.6	15.8	16.2	13.9	15.2	14.3	15.5	15.9
	8H	14.3	15.5	14.7	15.9	16.3	14.0	15.2	14.5	15.6	16.0
	12H	14.4	15.5	14.8	15.9	16.3	14.1	15.2	14.5	15.6	16.0
4H	2H	12.5	13.9	12.9	14.2	14.6	12.4	13.7	12.8	14.1	14.5
	3H	14.1	15.2	14.5	15.6	16.0	13.9	15.0	14.3	15.4	15.8
	4H	14.6	15.6	15.1	16.0	16.5	14.4	15.4	14.8	15.8	16.2
	6H	15.1	15.9	15.5	16.4	16.8	14.8	15.7	15.3	16.1	16.6
	8H	15.2	16.0	15.7	16.5	17.0	15.0	15.8	15.4	16.2	16.7
	12H	15.3	16.1	15.8	16.5	17.0	15.1	15.8	15.6	16.3	16.8
8H	4H	14.8	15.6	15.3	16.1	16.5	14.6	15.4	15.1	15.9	16.3
	6H	15.4	16.1	15.9	16.5	17.0	15.1	15.8	15.6	16.3	16.8
	8H	15.6	16.2	16.1	16.7	17.2	15.4	16.0	15.9	16.5	17.0
	12H	15.8	16.3	16.3	16.8	17.4	15.5	16.1	16.0	16.6	17.1
12H	4H	14.8	15.6	15.3	16.0	16.5	14.6	15.4	15.1	15.8	16.3
	6H	15.4	16.0	15.9	16.5	17.0	15.2	15.8	15.7	16.3	16.8
	8H	15.7	16.2	16.2	16.7	17.3	15.4	16.0	16.0	16.5	17.0

(END OF REPORT)