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: P1471761

Luminaire Tested: 24PTR-30S-PB1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

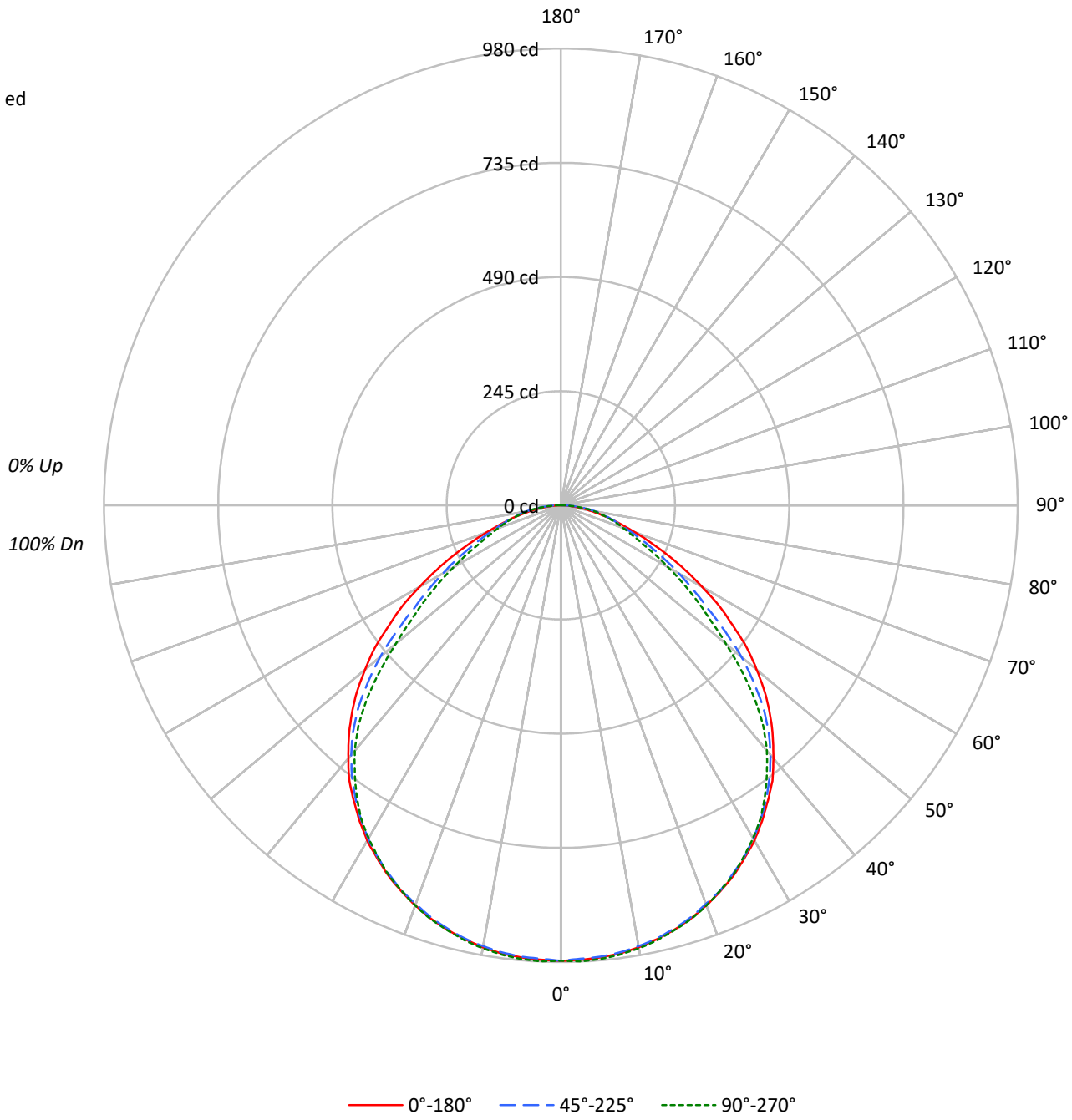
Test Method:	LM-79-2019
Report Number:	P1471761
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	24PTR-30S-PB1-L835-UNV-STD-B
Description:	3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PB1 Lens Black Recess Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2437.0 lumens
Efficiency:	N/A
Efficacy:	102.8 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

TEST NUMBER: P1471761
CATALOG NUMBER: 24PTR-30S-PB1-L835-UNV-STD-B

Luminous Intensity Polar Plot



TEST NUMBER: P1471761
CATALOG NUMBER: 24PTR-30S-PB1-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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1315	1315	1315
5°	1315	1313	1320
10°	1316	1312	1319
15°	1313	1310	1314
20°	1308	1303	1308
25°	1301	1296	1299
30°	1291	1283	1281
35°	1271	1262	1254
40°	1246	1229	1208
45°	1208	1169	1121
50°	1147	1059	969
55°	1057	900	835
60°	941	786	715
65°	808	681	609
70°	667	601	558
75°	562	575	544
80°	475	587	559
85°	372	594	520

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1208 cd/sqm

TEST NUMBER: P1471761
CATALOG NUMBER: 24PTR-30S-PB1-L835-UNV-STD-B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.7	3.8
10°-20°	265.9	10.9
20°-30°	402.8	16.5
30°-40°	479.9	19.7
40°-50°	469.3	19.3
50°-60°	355.0	14.6
60°-70°	218.1	8.9
70°-80°	116.2	4.8
80°-90°	37.1	1.5
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°	761.4	31.2
0°-40°	1241.3	50.9
0°-60°	2065.6	84.8
0°-90°	2437.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2437.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	977	977	977	977	977	
5°	974	975	972	976	977	93
15°	942	944	940	944	944	266
25°	876	875	873	874	875	404
35°	774	773	768	764	763	484
45°	635	631	614	594	589	488
55°	451	428	384	362	356	404
65°	254	233	214	197	191	252
75°	108	109	111	107	105	116
85°	24	31	38	36	34	29
90°	0	0	0	0	0	

TEST NUMBER: P1471761
CATALOG NUMBER: 24PTR-30S-PB1-L835-UNV-STD-B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	977.3	977.3	977.3	977.3	*977.3*
2.5°	*976.2*	*977.3*	*973.7*	*978.6*	*979.7*
5°	973.7	974.9	972.5	976.2	*977.3*
7.5°	970.1	970.1	967.7	971.3	*972.5*
10°	962.9	962.9	960.5	964.1	*965.3*
12.5°	953.4	953.4	952.1	954.5	*955.8*
15°	942.5	943.6	940.1	943.6	*943.6*
17.5°	929.2	928.1	926.8	929.2	*930.5*
20°	913.6	913.6	910.1	912.5	*913.6*
22.5°	895.6	895.6	894.4	895.6	*894.4*
25°	876.4	875.1	872.7	874.0	*875.1*
27.5°	853.5	853.5	851.1	851.1	*849.9*
30°	830.7	829.4	825.9	823.5	*824.6*
32.5°	803.0	801.8	798.2	795.8	*797.0*
35°	774.1	773.0	768.2	764.5	*763.4*
37.5°	745.4	741.7	735.6	730.9	*726.1*
40°	709.3	705.6	699.7	688.8	*687.6*
42.5°	673.2	669.6	659.9	646.8	*643.1*
45°	634.7	631.2	614.2	593.8	*589.0*
47.5°	593.8	587.9	561.4	536.1	*526.5*
50°	548.2	537.4	506.1	473.6	*462.8*
52.5°	503.7	484.5	443.6	414.7	*404.0*
55°	450.8	428.0	383.5	361.8	*355.8*
57.5°	404.0	372.7	336.6	315.0	*310.2*
60°	349.8	320.9	292.2	272.9	*265.7*
62.5°	300.5	275.3	251.3	234.4	*226.0*
65°	253.7	233.2	214.0	197.1	*191.2*
67.5°	208.0	197.1	181.5	168.4	*164.7*
70°	169.5	163.4	152.7	146.7	*141.9*
72.5°	134.7	137.1	129.9	127.5	*123.8*
75°	108.2	109.4	110.6	107.0	*104.6*
77.5°	81.8	87.7	92.5	90.1	*87.7*
80°	61.3	67.3	75.7	72.2	*72.2*
82.5°	42.0	49.3	56.5	54.1	*52.9*
85°	24.1	31.3	38.5	36.1	*33.7*
87.5°	9.6	15.6	16.8	16.8	*15.6*
90°	0.0	0.0	0.0	0.0	*0.0*

TEST NUMBER: P1471761
CATALOG NUMBER: 24PTR-30S-PB1-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	11.8	13.4	12.2	13.7	14.0	10.6	12.1	10.9	12.4	12.7
	3H	13.1	14.5	13.5	14.8	15.2	11.8	13.2	12.2	13.5	13.9
	4H	13.5	14.8	13.9	15.2	15.5	12.4	13.7	12.8	14.0	14.4
	6H	13.8	15.0	14.2	15.4	15.7	12.9	14.1	13.3	14.4	14.8
	8H	13.9	15.0	14.3	15.4	15.8	13.1	14.2	13.5	14.6	15.0
	12H	13.9	15.0	14.3	15.4	15.8	13.2	14.3	13.6	14.7	15.1
4H	2H	12.2	13.5	12.6	13.8	14.2	11.1	12.4	11.5	12.7	13.1
	3H	13.6	14.7	14.0	15.1	15.5	12.6	13.7	13.0	14.1	14.5
	4H	14.2	15.1	14.6	15.6	16.0	13.3	14.2	13.7	14.7	15.1
	6H	14.6	15.4	15.0	15.9	16.3	13.9	14.8	14.4	15.2	15.7
	8H	14.7	15.5	15.2	16.0	16.4	14.2	15.0	14.6	15.4	15.9
	12H	14.8	15.5	15.3	16.0	16.5	14.4	15.1	14.8	15.6	16.0
8H	4H	14.4	15.2	14.8	15.6	16.1	13.6	14.4	14.0	14.8	15.3
	6H	14.9	15.6	15.4	16.1	16.5	14.4	15.0	14.9	15.5	16.0
	8H	15.1	15.7	15.6	16.2	16.7	14.7	15.3	15.2	15.8	16.3
	12H	15.3	15.8	15.8	16.3	16.9	15.0	15.5	15.5	16.0	16.6
12H	4H	14.4	15.1	14.9	15.6	16.1	13.6	14.3	14.1	14.8	15.3
	6H	15.0	15.6	15.5	16.0	16.6	14.4	15.0	15.0	15.5	16.0
	8H	15.2	15.8	15.8	16.3	16.8	14.8	15.4	15.4	15.9	16.4

(END OF REPORT)