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: P1471801

Luminaire Tested: 24PTR-40S-PP3-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

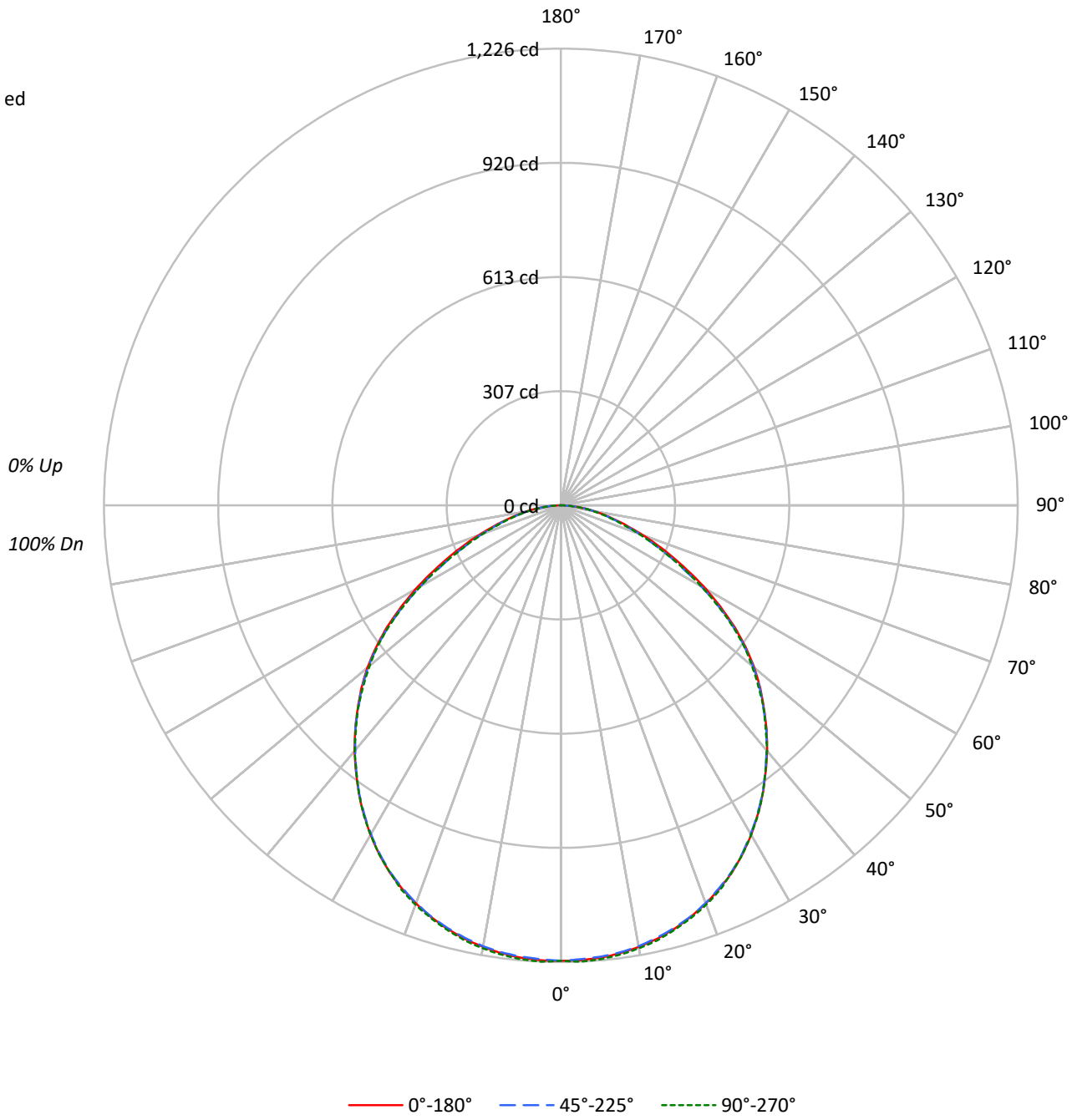
Test Method:	LM-79-2019
Report Number:	P1471801
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	24PTR-40S-PP3-L835-UNV-STD-B
Description:	4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PP3 Lens Black Recess Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3159.3 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):	30.3
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: P1471801
CATALOG NUMBER: 24PTR-40S-PP3-L835-UNV-STD-B

Luminous Intensity Polar Plot



TEST NUMBER: P1471801
CATALOG NUMBER: 24PTR-40S-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°	1645	1645	1645
5°	1647	1643	1652
10°	1644	1642	1650
15°	1639	1636	1643
20°	1628	1627	1634
25°	1614	1611	1613
30°	1587	1583	1587
35°	1552	1550	1551
40°	1512	1508	1511
45°	1467	1462	1464
50°	1418	1411	1401
55°	1335	1319	1315
60°	1211	1170	1173
65°	1064	1011	1009
70°	920	878	868
75°	795	766	750
80°	705	695	663
85°	582	602	568

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 45°
Luminance: 1472 cd/sqm

TEST NUMBER: P1471801
CATALOG NUMBER: 24PTR-40S-PP3-L835-UNV-STD-B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.0	3.7
10°-20°	332.2	10.5
20°-30°	500.1	15.8
30°-40°	590.3	18.7
40°-50°	593.7	18.8
50°-60°	501.2	15.9
60°-70°	321.9	10.2
70°-80°	160.1	5.1
80°-90°	43.9	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°	948.3	30.0
0°-40°	1538.6	48.7
0°-60°	2633.4	83.4
0°-90°	3159.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3159.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1223	1223	1223	1223	1223	
5°	1219	1220	1216	1222	1223	116
15°	1177	1177	1174	1180	1180	332
25°	1087	1087	1085	1087	1086	500
35°	945	945	944	944	944	591
45°	771	774	769	770	770	595
55°	569	568	562	560	561	506
65°	334	329	317	314	317	333
75°	153	152	147	146	144	166
85°	38	39	39	37	37	44
90°	0	0	0	0	0	

TEST NUMBER: P1471801
CATALOG NUMBER: 24PTR-40S-PP3-L835-UNV-STD-B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1222.7	1222.7	1222.7	1222.7	*1222.7*
2.5°	*1222.3*	*1222.7*	*1219.5*	*1225.3*	*1226.3*
5°	1219.2	1219.5	1216.5	1222.3	*1223.1*
7.5°	1212.9	1213.4	1210.7	1216.0	*1216.9*
10°	1203.6	1205.0	1201.8	1206.8	*1207.6*
12.5°	1192.1	1192.6	1189.4	1195.2	*1196.1*
15°	1176.6	1176.9	1174.4	1179.7	*1179.7*
17.5°	1158.7	1159.2	1157.4	1161.9	*1161.5*
20°	1137.1	1138.4	1136.1	1139.2	*1141.0*
22.5°	1113.6	1114.1	1111.3	1115.3	*1117.1*
25°	1087.0	1087.3	1085.2	1087.3	*1086.5*
27.5°	1055.8	1056.6	1053.6	1055.8	*1056.3*
30°	1021.2	1023.4	1019.1	1020.8	*1021.2*
32.5°	983.9	985.2	982.1	982.6	*984.9*
35°	944.9	945.4	943.6	944.4	*944.4*
37.5°	902.8	904.6	901.8	903.1	*901.3*
40°	861.0	859.2	858.3	859.2	*860.5*
42.5°	817.0	817.5	816.2	815.2	*813.1*
45°	770.9	773.6	768.6	769.6	*769.6*
47.5°	725.7	726.0	723.5	720.7	*718.9*
50°	677.3	677.3	674.1	672.0	*669.3*
52.5°	624.4	623.6	620.1	617.8	*619.1*
55°	569.0	568.5	562.3	560.1	*560.6*
57.5°	508.2	509.1	499.8	497.5	*497.5*
60°	450.1	445.6	434.9	431.9	*435.8*
62.5°	389.1	383.8	372.4	372.4	*375.4*
65°	334.2	329.3	317.4	314.2	*316.9*
67.5°	282.7	278.2	267.2	265.4	*266.3*
70°	233.8	230.0	223.2	219.2	*220.6*
72.5°	191.7	188.2	183.7	180.6	*178.8*
75°	153.0	152.2	147.4	145.9	*144.2*
77.5°	121.1	120.8	116.8	115.0	*113.2*
80°	91.0	90.5	89.7	86.9	*85.6*
82.5°	64.8	64.8	64.3	62.1	*60.8*
85°	37.7	39.0	39.0	36.8	*36.8*
87.5°	15.2	16.0	15.2	15.2	*14.7*
90°	0.0	0.0	0.0	0.0	*0.0*

TEST NUMBER: P1471801
CATALOG NUMBER: 24PTR-40S-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	13.0	14.6	13.3	14.9	15.2	12.8	14.4	13.2	14.7	15.0
	3H	14.3	15.7	14.7	16.0	16.4	14.0	15.5	14.4	15.8	16.2
	4H	14.7	16.1	15.1	16.4	16.8	14.5	15.8	14.9	16.2	16.5
	6H	15.1	16.3	15.5	16.7	17.1	14.8	16.0	15.2	16.4	16.8
	8H	15.2	16.3	15.6	16.7	17.1	14.9	16.1	15.3	16.5	16.9
	12H	15.2	16.4	15.7	16.7	17.2	15.0	16.1	15.4	16.5	16.9
4H	2H	13.4	14.7	13.8	15.1	15.5	13.3	14.6	13.7	14.9	15.3
	3H	14.9	16.0	15.3	16.4	16.8	14.7	15.8	15.1	16.2	16.6
	4H	15.5	16.5	15.9	16.9	17.3	15.2	16.2	15.7	16.7	17.1
	6H	15.9	16.8	16.4	17.2	17.7	15.7	16.6	16.1	17.0	17.5
	8H	16.1	16.9	16.5	17.3	17.8	15.8	16.6	16.3	17.1	17.6
	12H	16.2	16.9	16.7	17.4	17.9	15.9	16.7	16.4	17.1	17.6
8H	4H	15.7	16.5	16.1	16.9	17.4	15.5	16.3	15.9	16.7	17.2
	6H	16.2	16.9	16.7	17.4	17.9	16.0	16.7	16.5	17.2	17.6
	8H	16.4	17.1	17.0	17.6	18.0	16.2	16.8	16.7	17.3	17.8
	12H	16.6	17.2	17.1	17.6	18.2	16.4	16.9	16.9	17.4	18.0
12H	4H	15.7	16.4	16.2	16.9	17.4	15.5	16.2	16.0	16.7	17.2
	6H	16.3	16.9	16.8	17.3	17.9	16.0	16.7	16.6	17.1	17.7
	8H	16.5	17.1	17.0	17.6	18.1	16.3	16.8	16.8	17.3	17.9

(END OF REPORT)