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: P1471789

Luminaire Tested: 24PTR-35S-PW1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471789
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	24PTR-35S-PW1-L835-UNV-STD-B
Description:	3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PW1 Lens Black Reces Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2967.0 lumens
Efficiency:	N/A
Efficacy:	104.5 lumens/watt
Spacing Criteria (0/90/45):	1.26 / 1.24 / 1.34
Luminous Opening:	Rectangular (W 2' x L: 4' x H: 0')
CIE Type:	Direct
Input Watts (W):	28.4
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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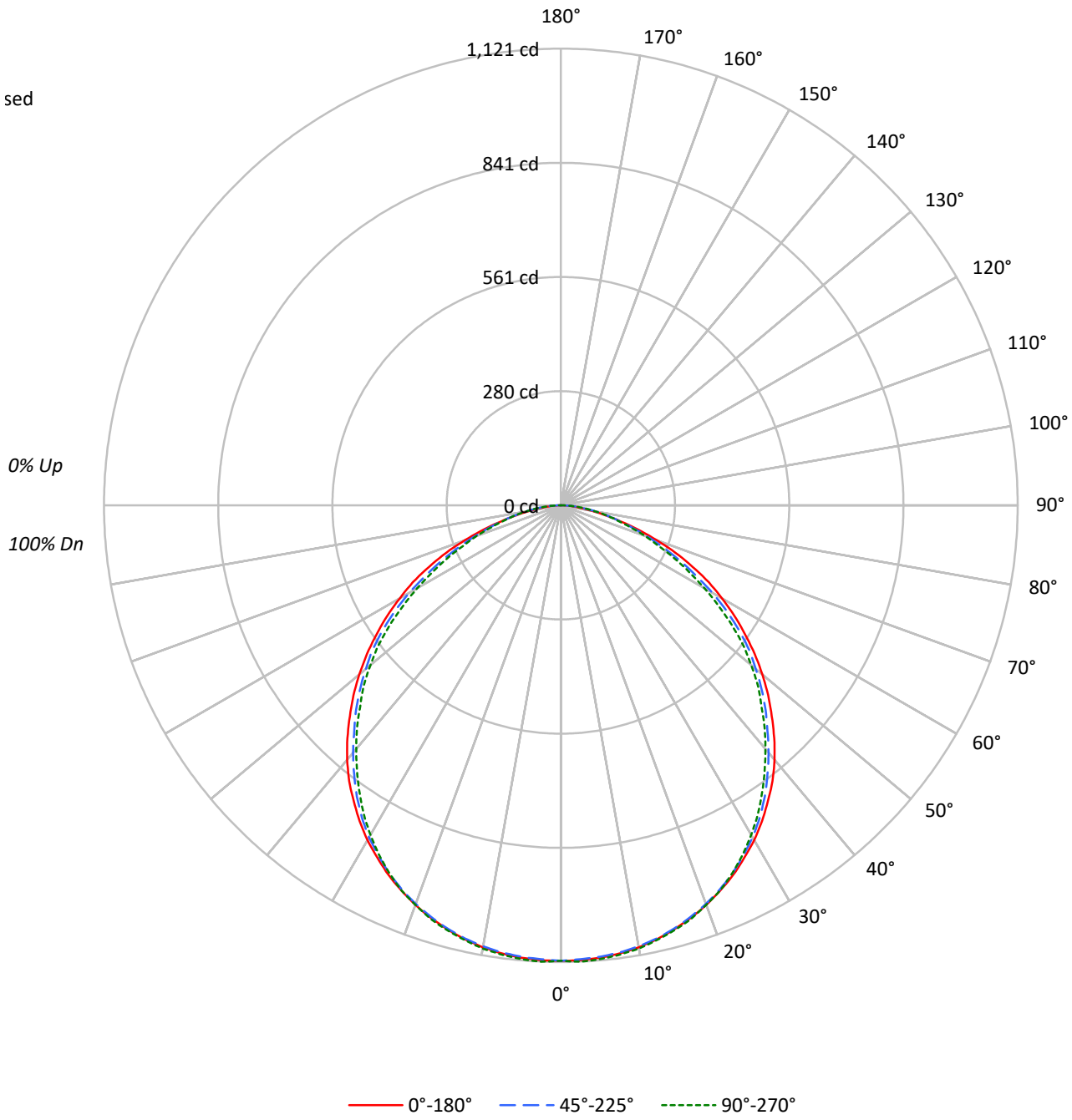
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1504	1504	1504
5°	1506	1502	1510
10°	1505	1502	1509
15°	1500	1498	1504
20°	1494	1491	1494
25°	1486	1480	1479
30°	1475	1462	1451
35°	1455	1433	1415
40°	1433	1393	1371
45°	1393	1352	1324
50°	1351	1307	1276
55°	1295	1251	1201
60°	1227	1155	1095
65°	1135	1032	980
70°	984	898	864
75°	786	768	748
80°	597	667	667
85°	442	570	570

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1393 cd/sqm

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CATALOG NUMBER: 24PTR-35S-PW1-L835-UNV-STD-B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.0	3.6
10°-20°	304.1	10.2
20°-30°	459.6	15.5
30°-40°	545.8	18.4
40°-50°	549.8	18.5
50°-60°	475.3	16.0
60°-70°	324.8	10.9
70°-80°	160.2	5.4
80°-90°	41.4	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°	869.8	29.3
0°-40°	1415.5	47.7
0°-60°	2440.6	82.3
0°-90°	2967.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2967.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1118	1118	1118	1118	1118	
5°	1115	1115	1112	1117	1118	106
15°	1077	1078	1075	1079	1080	304
25°	1001	1000	997	998	996	461
35°	886	883	872	864	861	554
45°	732	724	710	702	696	565
55°	552	550	533	517	512	493
65°	357	344	324	310	308	352
75°	151	150	148	148	144	165
85°	29	34	37	38	37	35
90°	0	0	0	0	0	

TEST NUMBER: P1471789
CATALOG NUMBER: 24PTR-35S-PW1-L835-UNV-STD-B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1118.0	1118.0	1118.0	1118.0	*1118.0*
2.5°	*1117.7*	*1118.0*	*1115.2*	*1120.1*	*1121.3*
5°	1114.7	1115.2	1112.3	1116.8	*1118.0*
7.5°	1109.5	1110.2	1106.9	1111.4	*1112.3*
10°	1101.5	1101.9	1099.1	1103.6	*1104.5*
12.5°	1090.8	1091.1	1088.7	1092.7	*1092.7*
15°	1077.1	1078.3	1075.4	1079.2	*1079.5*
17.5°	1061.7	1062.2	1059.3	1063.4	*1064.3*
20°	1043.5	1043.5	1041.1	1044.4	*1043.5*
22.5°	1023.2	1023.2	1020.3	1022.0	*1022.7*
25°	1000.9	1000.0	996.7	997.6	*996.0*
27.5°	975.2	975.2	969.3	969.3	*966.4*
30°	949.1	947.0	940.9	937.1	*934.2*
32.5°	919.2	916.3	908.5	901.9	*899.8*
35°	885.8	882.7	872.4	864.5	*861.2*
37.5°	853.4	846.8	833.1	825.2	*821.5*
40°	815.6	807.3	793.3	782.5	*780.8*
42.5°	775.1	768.5	750.3	742.3	*740.3*
45°	732.1	724.1	710.4	702.1	*695.9*
47.5°	689.8	683.9	668.2	658.3	*656.2*
50°	645.4	640.4	624.3	613.6	*609.8*
52.5°	599.4	596.1	582.4	568.7	*564.2*
55°	551.9	550.2	533.2	517.4	*512.0*
57.5°	505.1	502.9	481.7	463.5	*458.5*
60°	456.1	450.0	429.2	412.2	*406.8*
62.5°	409.8	396.5	374.1	360.8	*354.7*
65°	356.6	343.8	324.0	309.8	*307.8*
67.5°	304.5	289.2	273.8	265.1	*258.5*
70°	250.2	239.8	228.2	220.8	*219.6*
72.5°	199.6	192.2	186.4	181.8	*178.1*
75°	151.1	149.9	147.8	147.8	*143.8*
77.5°	111.1	114.0	115.6	115.2	*116.1*
80°	77.1	82.8	86.1	86.6	*86.1*
82.5°	48.9	55.5	61.0	61.7	*62.6*
85°	28.6	33.6	36.9	37.6	*36.9*
87.5°	12.8	16.1	17.0	17.8	*17.0*
90°	0.0	0.0	0.0	0.0	*0.0*

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CATALOG NUMBER: 24PTR-35S-PW1-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	13.1	14.7	13.5	15.0	15.3	12.5	14.1	12.9	14.4	14.7
	3H	14.6	16.0	14.9	16.3	16.7	13.9	15.3	14.3	15.7	16.0
	4H	15.0	16.4	15.4	16.7	17.1	14.4	15.7	14.8	16.1	16.5
	6H	15.3	16.5	15.7	16.9	17.3	14.7	16.0	15.1	16.3	16.7
	8H	15.3	16.5	15.7	16.9	17.3	14.8	16.0	15.3	16.4	16.8
	12H	15.4	16.5	15.8	16.9	17.3	14.9	16.1	15.4	16.5	16.9
4H	2H	13.6	14.9	14.0	15.3	15.6	13.1	14.4	13.5	14.8	15.2
	3H	15.2	16.3	15.6	16.7	17.1	14.7	15.8	15.1	16.2	16.6
	4H	15.8	16.8	16.2	17.2	17.6	15.3	16.3	15.7	16.7	17.1
	6H	16.1	17.0	16.6	17.5	17.9	15.7	16.6	16.2	17.0	17.5
	8H	16.2	17.0	16.7	17.5	18.0	15.9	16.7	16.3	17.2	17.6
	12H	16.3	17.0	16.8	17.5	18.0	16.0	16.7	16.5	17.2	17.7
8H	4H	16.0	16.8	16.4	17.2	17.7	15.5	16.3	15.9	16.8	17.2
	6H	16.4	17.1	16.9	17.6	18.1	16.1	16.7	16.6	17.2	17.7
	8H	16.5	17.2	17.1	17.7	18.2	16.3	16.9	16.8	17.4	17.9
	12H	16.7	17.2	17.2	17.7	18.3	16.5	17.0	17.0	17.5	18.1
12H	4H	16.0	16.7	16.4	17.2	17.7	15.5	16.2	16.0	16.7	17.2
	6H	16.4	17.1	17.0	17.5	18.1	16.1	16.7	16.6	17.2	17.7
	8H	16.6	17.2	17.1	17.7	18.2	16.4	16.9	16.9	17.4	18.0

(END OF REPORT)