

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: P1471719

Luminaire Tested: 22PTR-35S-PLG-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471719
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-35S-PLG-L835-UNV-STD-B
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PLG Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

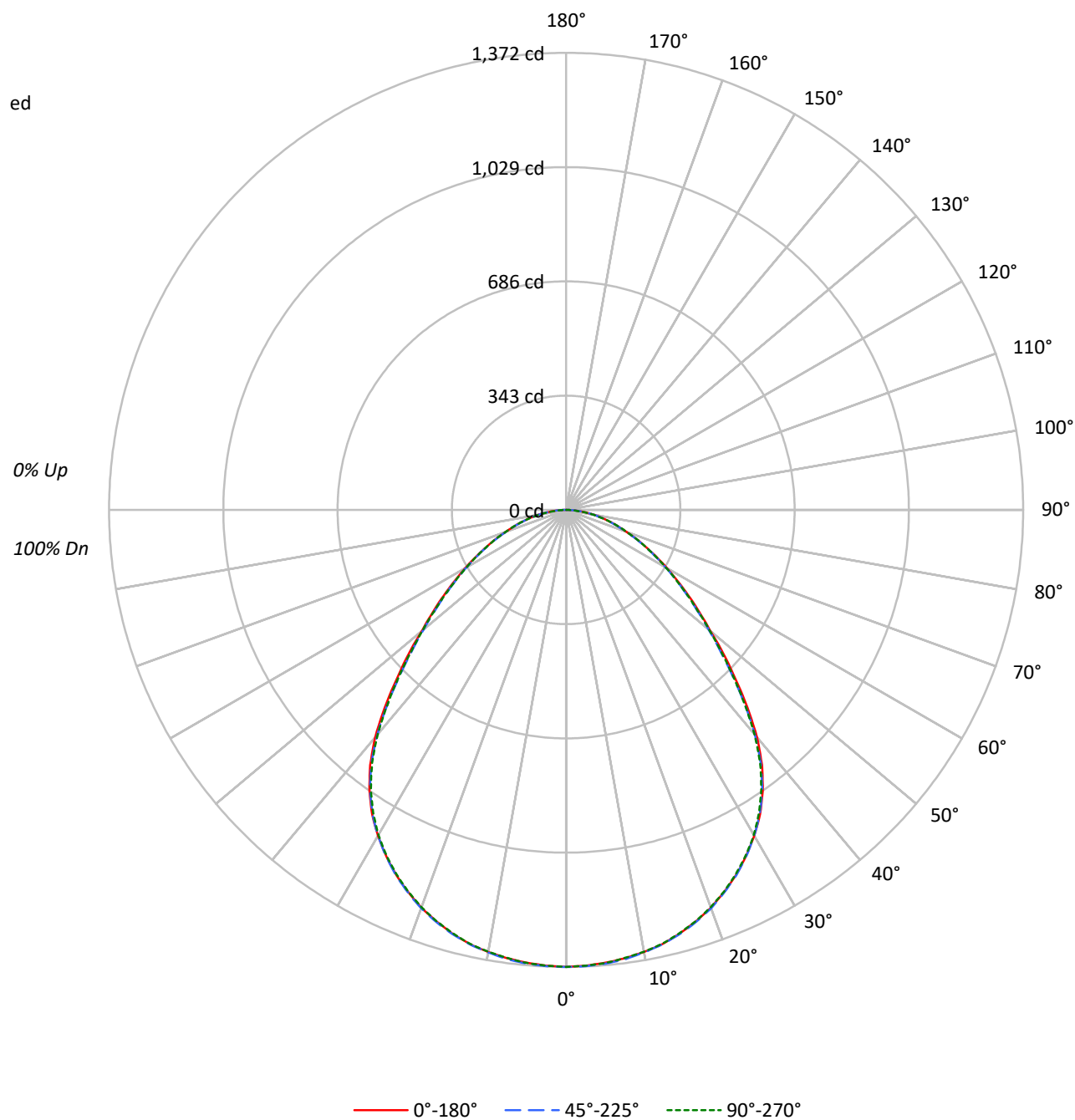
Lumens per Lamp: N/A
Luminaire Lumens: 3091.7 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.9
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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	110	106	102	98	107	103	100	97		99	96	94		95	93	91		92	90	88
2	101	94	87	82	99	92	86	81		88	84	79		85	81	78		82	79	76
3	93	83	76	70	91	82	75	69		79	73	68		76	71	67		74	69	66
4	86	75	67	60	84	73	66	60		71	64	59		69	63	58		67	62	58
5	79	67	59	53	77	66	58	53		64	57	52		62	56	51		61	55	51
6	74	61	53	47	72	60	52	47		58	51	46		57	51	46		55	50	45
7	69	56	48	42	67	55	47	42		54	46	41		52	46	41		51	45	41
8	64	51	43	38	62	51	43	38		49	42	37		48	42	37		47	41	37
9	60	47	39	34	59	47	39	34		46	39	34		44	38	34		43	38	34
10	56	44	36	31	55	43	36	31		42	36	31		41	35	31		40	35	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3692	3692	3692
5°	3685	3693	3688
10°	3683	3685	3680
15°	3668	3673	3665
20°	3639	3645	3634
25°	3588	3591	3580
30°	3510	3510	3501
35°	3381	3372	3356
40°	3133	3099	3089
45°	2739	2694	2705
50°	2364	2336	2348
55°	2101	2069	2074
60°	1882	1855	1855
65°	1687	1674	1680
70°	1517	1502	1517
75°	1408	1387	1408
80°	1313	1297	1252
85°	1112	1112	991

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2739 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.9	4.2
10°-20°	371.7	12.0
20°-30°	556.2	18.0
30°-40°	637.2	20.6
40°-50°	551.1	17.8
50°-60°	398.9	12.9
60°-70°	262.7	8.5
70°-80°	143.0	4.6
80°-90°	41.0	1.3
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°	1057.8	34.2
0°-40°	1695.0	54.8
0°-60°	2645.0	85.6
0°-90°	3091.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3091.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1372	1372	1372	1372	1372	
5°	1364	1367	1367	1367	1365	130
15°	1317	1318	1318	1320	1316	371
25°	1208	1208	1210	1210	1206	556
35°	1029	1028	1026	1025	1022	639
45°	720	718	708	707	711	557
55°	448	446	441	438	442	403
65°	265	267	263	261	264	264
75°	135	135	133	133	135	144
85°	36	36	36	37	32	42
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1372.1	1372.1	1372.1	1372.1	1372.1
2.5°	1369.2	1372.1	1371.1	1372.1	1369.2
5°	1364.3	1367.2	1367.2	1367.2	1365.3
7.5°	1357.5	1359.4	1360.4	1361.4	1356.5
10°	1347.7	1349.7	1348.7	1350.7	1346.8
12.5°	1335.1	1335.1	1336.0	1338.0	1334.1
15°	1316.6	1317.5	1318.5	1320.5	1315.6
17.5°	1295.1	1296.1	1297.1	1298.1	1294.2
20°	1270.8	1270.8	1272.8	1273.7	1268.9
22.5°	1240.6	1240.6	1242.6	1245.5	1239.6
25°	1208.5	1208.5	1209.5	1210.4	1205.6
27.5°	1170.5	1170.5	1171.5	1174.4	1168.6
30°	1129.6	1128.6	1129.6	1130.6	1126.7
32.5°	1083.8	1082.9	1081.9	1082.9	1078.0
35°	1029.3	1028.3	1026.4	1025.4	1021.5
37.5°	966.0	964.1	960.2	960.2	956.3
40°	892.0	887.1	882.3	880.3	879.3
42.5°	806.3	802.4	795.6	794.6	794.6
45°	719.6	717.7	707.9	707.0	710.9
47.5°	641.7	636.9	628.1	626.2	632.0
50°	564.8	565.8	558.0	555.1	560.9
52.5°	504.4	502.5	495.7	493.7	498.6
55°	447.9	446.0	441.1	438.2	442.1
57.5°	396.3	395.4	390.5	389.5	391.5
60°	349.6	348.6	344.7	343.7	344.7
62.5°	305.8	305.8	301.9	299.9	302.9
65°	264.9	266.8	262.9	261.0	263.9
67.5°	227.9	229.8	225.9	224.0	227.9
70°	192.8	194.8	190.9	188.9	192.8
72.5°	162.6	163.6	160.7	159.7	164.6
75°	135.4	135.4	133.4	133.4	135.4
77.5°	110.0	109.1	108.1	108.1	106.1
80°	84.7	83.7	83.7	83.7	80.8
82.5°	60.4	58.4	59.4	60.4	55.5
85°	36.0	36.0	36.0	37.0	32.1
87.5°	14.6	14.6	13.6	14.6	12.7
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	13.8	15.3	14.2	15.6	15.9	13.7	15.2	14.1	15.5	15.8
	3H	15.2	16.6	15.6	16.9	17.3	15.1	16.5	15.5	16.8	17.2
	4H	15.8	17.1	16.2	17.4	17.8	15.7	17.0	16.1	17.3	17.7
	6H	16.2	17.4	16.6	17.8	18.1	16.1	17.3	16.5	17.7	18.0
	8H	16.4	17.5	16.8	17.9	18.3	16.2	17.4	16.7	17.8	18.2
	12H	16.5	17.5	16.9	17.9	18.3	16.3	17.4	16.8	17.8	18.2
4H	2H	14.3	15.6	14.7	15.9	16.3	14.2	15.5	14.6	15.8	16.2
	3H	15.9	17.0	16.4	17.4	17.8	15.9	16.9	16.3	17.3	17.7
	4H	16.6	17.6	17.1	18.0	18.4	16.5	17.5	17.0	17.9	18.3
	6H	17.2	18.0	17.6	18.5	18.9	17.1	17.9	17.5	18.4	18.8
	8H	17.4	18.1	17.8	18.6	19.1	17.3	18.0	17.7	18.5	19.0
	12H	17.5	18.2	18.0	18.7	19.2	17.4	18.1	17.9	18.6	19.0
8H	4H	16.9	17.6	17.3	18.1	18.5	16.8	17.6	17.3	18.0	18.5
	6H	17.6	18.2	18.0	18.7	19.2	17.5	18.1	18.0	18.6	19.1
	8H	17.8	18.4	18.3	18.9	19.4	17.7	18.3	18.2	18.8	19.3
	12H	18.0	18.5	18.5	19.0	19.6	17.9	18.4	18.4	18.9	19.5
12H	4H	16.9	17.6	17.4	18.1	18.5	16.8	17.5	17.3	18.0	18.5
	6H	17.6	18.2	18.1	18.6	19.2	17.5	18.1	18.1	18.6	19.1
	8H	17.9	18.4	18.4	18.9	19.5	17.8	18.3	18.3	18.8	19.4

(END OF REPORT)