

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: P1471748

Luminaire Tested: 24PTR-20S-PC3-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471748
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-20S-PC3-L835-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PC3 Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

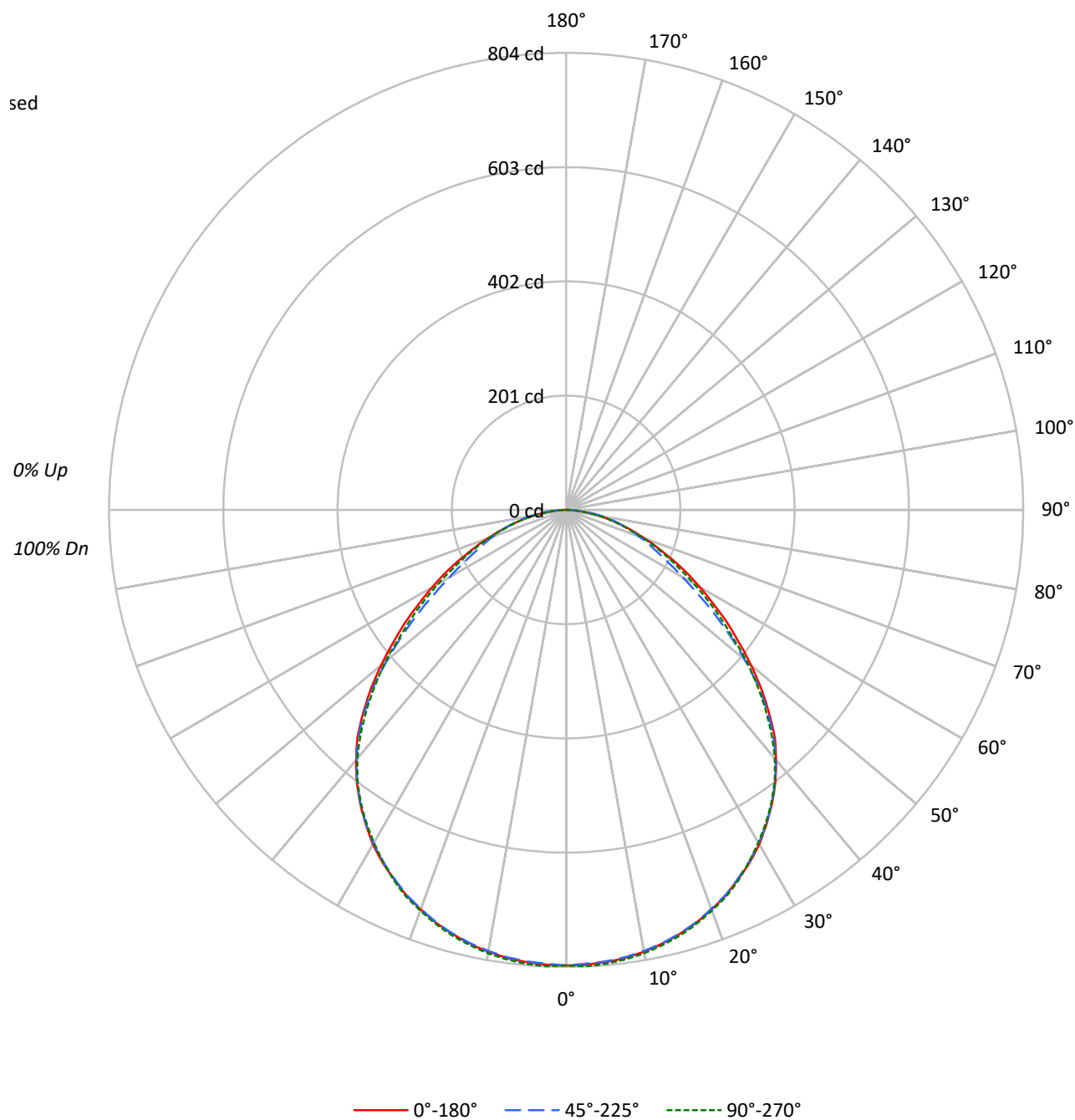
Lumens per Lamp: N/A
Luminaire Lumens: 2020.2 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16.7
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

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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	105	101	98	107	103	99	96		99	96	93		95	92	90		91	89	87
2	100	93	86	81	98	91	85	80		87	82	78		84	80	76		81	78	75
3	92	82	74	68	90	80	73	68		77	71	66		75	70	65		72	68	64
4	85	73	65	58	82	72	64	58		69	63	57		67	61	56		65	60	56
5	78	66	57	51	76	65	56	50		62	55	50		61	54	49		59	53	49
6	72	59	51	45	70	58	50	44		57	49	44		55	49	44		53	48	43
7	67	54	46	40	65	53	45	39		52	44	39		50	44	39		49	43	39
8	62	49	41	35	61	49	41	35		47	40	35		46	40	35		45	39	35
9	58	45	37	32	57	45	37	32		44	37	32		43	36	32		42	36	31
10	55	42	34	29	54	41	34	29		40	34	29		40	33	29		39	33	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1078	1078	1078
5°	1078	1076	1083
10°	1078	1076	1082
15°	1076	1075	1080
20°	1071	1069	1074
25°	1064	1062	1066
30°	1056	1052	1050
35°	1037	1036	1034
40°	1009	1008	1003
45°	960	953	943
50°	888	859	868
55°	811	745	779
60°	731	636	697
65°	653	569	627
70°	579	538	564
75°	513	521	502
80°	442	498	440
85°	332	394	332

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 962 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	3.8
10°-20°	218.1	10.8
20°-30°	330.3	16.3
30°-40°	393.8	19.5
40°-50°	384.8	19.0
50°-60°	294.2	14.6
60°-70°	188.9	9.3
70°-80°	105.1	5.2
80°-90°	29.0	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°	624.4	30.9
0°-40°	1018.2	50.4
0°-60°	1697.2	84.0
0°-90°	2020.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2020.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	801	801	801	801	801	
5°	798	799	797	801	802	76
15°	772	773	772	774	775	218
25°	716	717	715	718	718	330
35°	631	632	630	630	629	394
45°	504	506	501	500	496	388
55°	346	334	318	322	332	309
65°	205	189	179	184	197	205
75°	99	99	100	99	97	105
85°	22	25	26	25	22	26
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	801.3	801.3	801.3	801.3	801.3
2.5°	800.8	801.1	799.0	802.4	803.6
5°	798.5	799.0	797.0	800.8	801.6
7.5°	795.1	795.6	793.6	797.3	797.7
10°	789.3	789.6	787.9	791.6	792.1
12.5°	781.6	782.5	780.5	783.9	784.1
15°	772.4	773.0	771.5	774.1	775.0
17.5°	761.5	761.8	760.4	763.2	763.5
20°	748.0	748.0	746.8	750.1	750.1
22.5°	734.2	733.4	733.1	734.2	736.0
25°	716.5	717.4	715.4	717.7	718.2
27.5°	699.4	699.4	697.6	698.7	697.3
30°	679.6	678.4	677.3	677.5	676.1
32.5°	655.7	655.7	655.2	655.2	653.4
35°	631.2	631.7	630.5	630.2	629.4
37.5°	604.7	605.6	603.6	603.0	602.4
40°	574.6	574.6	573.8	572.6	571.2
42.5°	543.4	543.4	539.7	536.8	534.8
45°	504.4	505.6	500.7	499.5	495.6
47.5°	465.7	464.9	458.3	457.5	455.2
50°	424.4	419.6	410.2	412.7	414.8
52.5°	383.2	377.2	363.4	366.2	369.7
55°	345.6	333.6	317.6	321.6	331.9
57.5°	306.4	290.3	274.3	281.8	294.6
60°	271.7	253.7	236.2	244.2	259.1
62.5°	238.5	219.3	205.2	213.0	225.6
65°	205.2	189.4	178.6	184.5	196.9
67.5°	174.8	164.2	156.8	159.6	169.6
70°	147.3	140.7	136.7	137.6	143.3
72.5°	121.2	119.5	118.1	118.1	118.6
75°	98.6	99.4	100.3	98.9	96.6
77.5°	77.7	80.5	82.6	79.7	76.9
80°	57.1	61.6	64.3	61.0	56.8
82.5°	38.9	44.2	45.0	43.0	38.1
85°	21.5	25.2	25.5	24.7	21.5
87.5°	8.0	9.5	10.3	9.5	8.3
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	10.7	12.3	11.1	12.6	12.9	10.5	12.1	10.9	12.4	12.7
	3H	12.2	13.6	12.5	13.9	14.3	12.0	13.4	12.3	13.7	14.0
	4H	12.7	14.0	13.1	14.4	14.7	12.5	13.8	12.9	14.2	14.6
	6H	13.1	14.3	13.5	14.7	15.1	12.9	14.1	13.3	14.5	14.9
	8H	13.2	14.4	13.6	14.8	15.2	13.0	14.2	13.5	14.6	15.0
	12H	13.3	14.4	13.7	14.8	15.2	13.1	14.2	13.5	14.6	15.0
4H	2H	11.1	12.4	11.5	12.8	13.2	10.9	12.2	11.3	12.6	13.0
	3H	12.8	13.9	13.2	14.3	14.7	12.6	13.7	13.0	14.1	14.5
	4H	13.5	14.5	13.9	14.9	15.3	13.3	14.3	13.8	14.7	15.2
	6H	14.0	14.9	14.5	15.3	15.8	13.9	14.7	14.3	15.2	15.6
	8H	14.2	15.0	14.7	15.4	15.9	14.1	14.9	14.5	15.3	15.8
	12H	14.3	15.0	14.8	15.5	16.0	14.2	14.9	14.6	15.4	15.8
8H	4H	13.8	14.6	14.2	15.0	15.5	13.6	14.4	14.1	14.9	15.3
	6H	14.4	15.1	14.9	15.6	16.1	14.3	15.0	14.8	15.5	15.9
	8H	14.7	15.3	15.2	15.8	16.3	14.5	15.1	15.1	15.7	16.1
	12H	14.8	15.4	15.3	15.9	16.4	14.7	15.2	15.2	15.7	16.3
12H	4H	13.8	14.5	14.3	15.0	15.4	13.6	14.4	14.1	14.8	15.3
	6H	14.5	15.1	15.0	15.6	16.1	14.4	15.0	14.9	15.4	16.0
	8H	14.8	15.3	15.3	15.8	16.4	14.7	15.2	15.2	15.7	16.2

(END OF REPORT)