

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: P1471635

Luminaire Tested: 14PTR-20S-PC3-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471635
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: 14PTR-20S-PC3-L835-UNV-STD-B
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PC3 Lens Black Recess
Frame
Light Source: -
Ballast/Driver: -

Summary

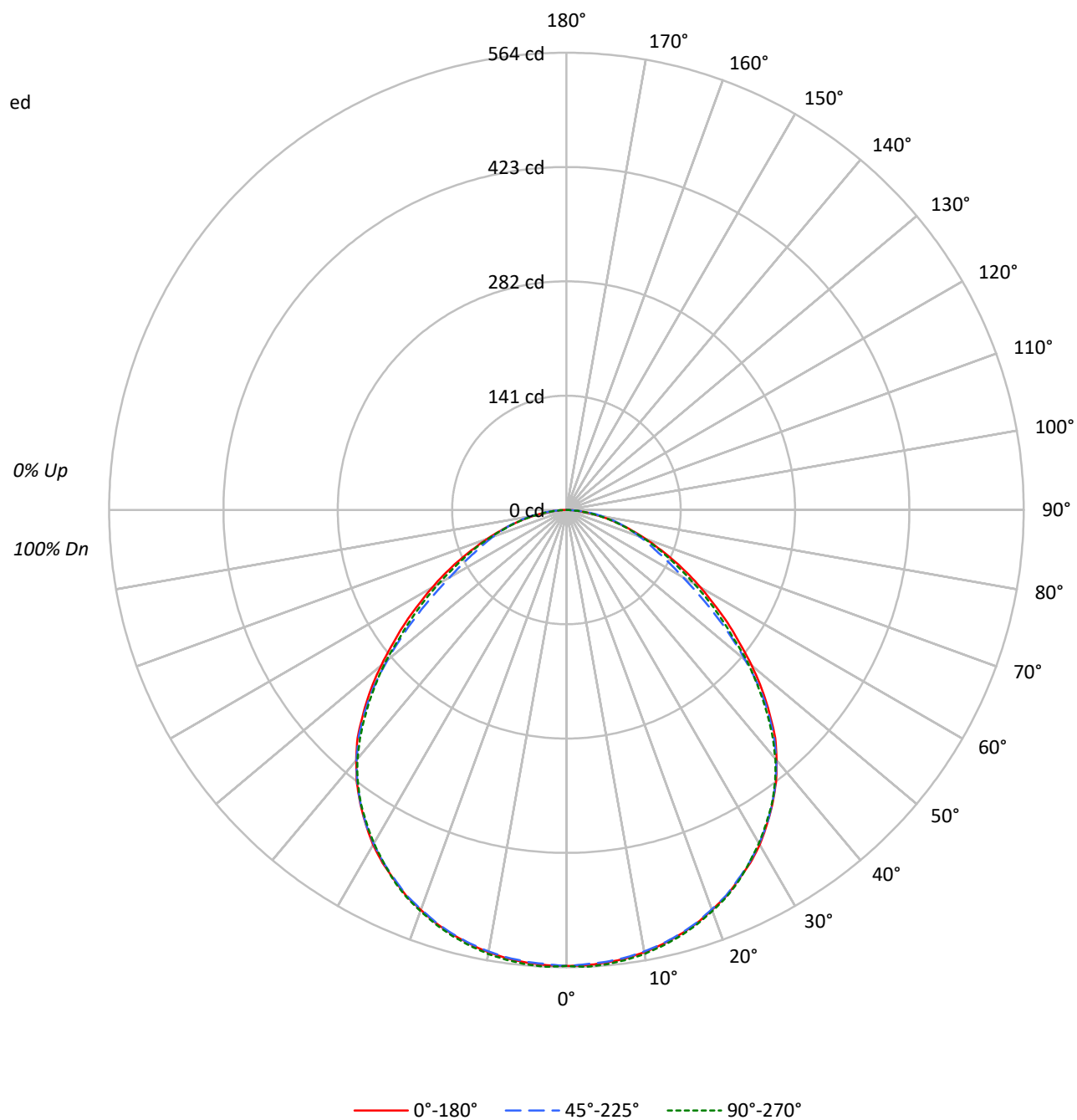
Lumens per Lamp: N/A
Luminaire Lumens: 1418.0 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16.4
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

TEST NUMBER: P1471635

CATALOG NUMBER: 14PTR-20S-PC3-L835-UNV-STD-B

Luminous Intensity Polar Plot



TEST NUMBER: P1471635

CATALOG NUMBER: 14PTR-20S-PC3-L835-UNV-STD-B

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	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	87	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	72
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1513	1513	1513
5°	1514	1511	1520
10°	1514	1511	1519
15°	1510	1509	1515
20°	1503	1501	1508
25°	1493	1491	1497
30°	1482	1477	1475
35°	1455	1454	1451
40°	1417	1415	1408
45°	1348	1337	1324
50°	1247	1205	1219
55°	1138	1046	1093
60°	1026	892	978
65°	918	798	880
70°	814	755	792
75°	719	732	705
80°	621	699	617
85°	466	553	466

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1351 cd/sqm

TEST NUMBER: P1471635

CATALOG NUMBER: 14PTR-20S-PC3-L835-UNV-STD-B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.3	3.8
10°-20°	153.1	10.8
20°-30°	231.8	16.3
30°-40°	276.4	19.5
40°-50°	270.1	19.0
50°-60°	206.5	14.6
60°-70°	132.6	9.4
70°-80°	73.8	5.2
80°-90°	20.4	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°	438.3	30.9
0°-40°	714.7	50.4
0°-60°	1191.3	84.0
0°-90°	1418.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1418.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	562	562	562	562	562	
5°	560	561	559	562	563	53
15°	542	543	542	543	544	153
25°	503	504	502	504	504	232
35°	443	443	443	442	442	277
45°	354	355	351	351	348	272
55°	243	234	223	226	233	217
65°	144	133	125	130	138	144
75°	69	70	70	69	68	74
85°	15	18	18	17	15	19
90°	0	0	0	0	0	

TEST NUMBER: P1471635

CATALOG NUMBER: 14PTR-20S-PC3-L835-UNV-STD-B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	562.4	562.4	562.4	562.4	562.4
2.5°	562.1	562.3	560.8	563.2	564.0
5°	560.5	560.8	559.4	562.1	562.7
7.5°	558.0	558.4	557.0	559.7	559.9
10°	554.0	554.2	553.0	555.6	556.0
12.5°	548.6	549.2	547.8	550.2	550.4
15°	542.1	542.6	541.5	543.4	543.9
17.5°	534.5	534.7	533.7	535.7	535.9
20°	525.0	525.0	524.2	526.5	526.5
22.5°	515.4	514.8	514.6	515.4	516.6
25°	502.9	503.5	502.1	503.7	504.1
27.5°	490.9	490.9	489.6	490.4	489.4
30°	477.0	476.2	475.4	475.5	474.6
32.5°	460.3	460.3	459.9	459.9	458.6
35°	443.0	443.4	442.6	442.3	441.8
37.5°	424.4	425.1	423.6	423.3	422.8
40°	403.3	403.3	402.7	401.9	400.9
42.5°	381.4	381.4	378.8	376.8	375.4
45°	354.1	354.9	351.4	350.6	347.8
47.5°	326.9	326.3	321.7	321.1	319.5
50°	297.9	294.5	287.9	289.7	291.1
52.5°	269.0	264.7	255.1	257.1	259.5
55°	242.6	234.2	222.9	225.7	232.9
57.5°	215.0	203.8	192.5	197.8	206.8
60°	190.7	178.0	165.8	171.4	181.8
62.5°	167.4	153.9	144.1	149.5	158.3
65°	144.1	133.0	125.4	129.5	138.2
67.5°	122.7	115.3	110.1	112.0	119.1
70°	103.4	98.7	96.0	96.6	100.6
72.5°	85.1	83.9	82.9	82.9	83.3
75°	69.2	69.8	70.4	69.4	67.8
77.5°	54.5	56.5	58.0	55.9	53.9
80°	40.1	43.3	45.1	42.8	39.8
82.5°	27.3	31.0	31.6	30.2	26.8
85°	15.1	17.7	17.9	17.3	15.1
87.5°	5.6	6.7	7.2	6.7	5.8
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1471635

CATALOG NUMBER: 14PTR-20S-PC3-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	11.9	13.5	12.3	13.8	14.1	11.7	13.2	12.0	13.6	13.9
	3H	13.3	14.7	13.7	15.1	15.4	13.1	14.5	13.5	14.9	15.2
	4H	13.9	15.2	14.3	15.5	15.9	13.7	15.0	14.1	15.4	15.7
	6H	14.3	15.5	14.7	15.9	16.3	14.1	15.3	14.5	15.7	16.1
	8H	14.4	15.6	14.8	15.9	16.3	14.2	15.4	14.6	15.8	16.2
	12H	14.5	15.6	14.9	16.0	16.4	14.3	15.4	14.7	15.8	16.2
4H	2H	12.3	13.6	12.7	14.0	14.3	12.1	13.4	12.5	13.8	14.1
	3H	14.0	15.1	14.4	15.5	15.9	13.8	14.9	14.2	15.3	15.7
	4H	14.7	15.7	15.1	16.1	16.5	14.5	15.5	14.9	15.9	16.3
	6H	15.2	16.1	15.7	16.5	17.0	15.1	15.9	15.5	16.4	16.8
	8H	15.4	16.2	15.8	16.6	17.1	15.2	16.0	15.7	16.5	16.9
	12H	15.5	16.2	16.0	16.7	17.1	15.3	16.1	15.8	16.5	17.0
8H	4H	14.9	15.7	15.4	16.2	16.6	14.8	15.6	15.3	16.0	16.5
	6H	15.6	16.3	16.1	16.8	17.2	15.5	16.1	16.0	16.6	17.1
	8H	15.8	16.4	16.4	17.0	17.4	15.7	16.3	16.2	16.8	17.3
	12H	16.0	16.6	16.5	17.0	17.6	15.9	16.4	16.4	16.9	17.5
12H	4H	15.0	15.7	15.4	16.2	16.6	14.8	15.5	15.3	16.0	16.5
	6H	15.7	16.3	16.2	16.7	17.3	15.5	16.1	16.1	16.6	17.1
	8H	16.0	16.5	16.5	17.0	17.5	15.8	16.4	16.3	16.9	17.4

(END OF REPORT)