

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: P1471715

Luminaire Tested: 22PTR-35S-PC3-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471715
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: 22PTR-35S-PC3-L835-UNV-STD-B
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PC3 Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

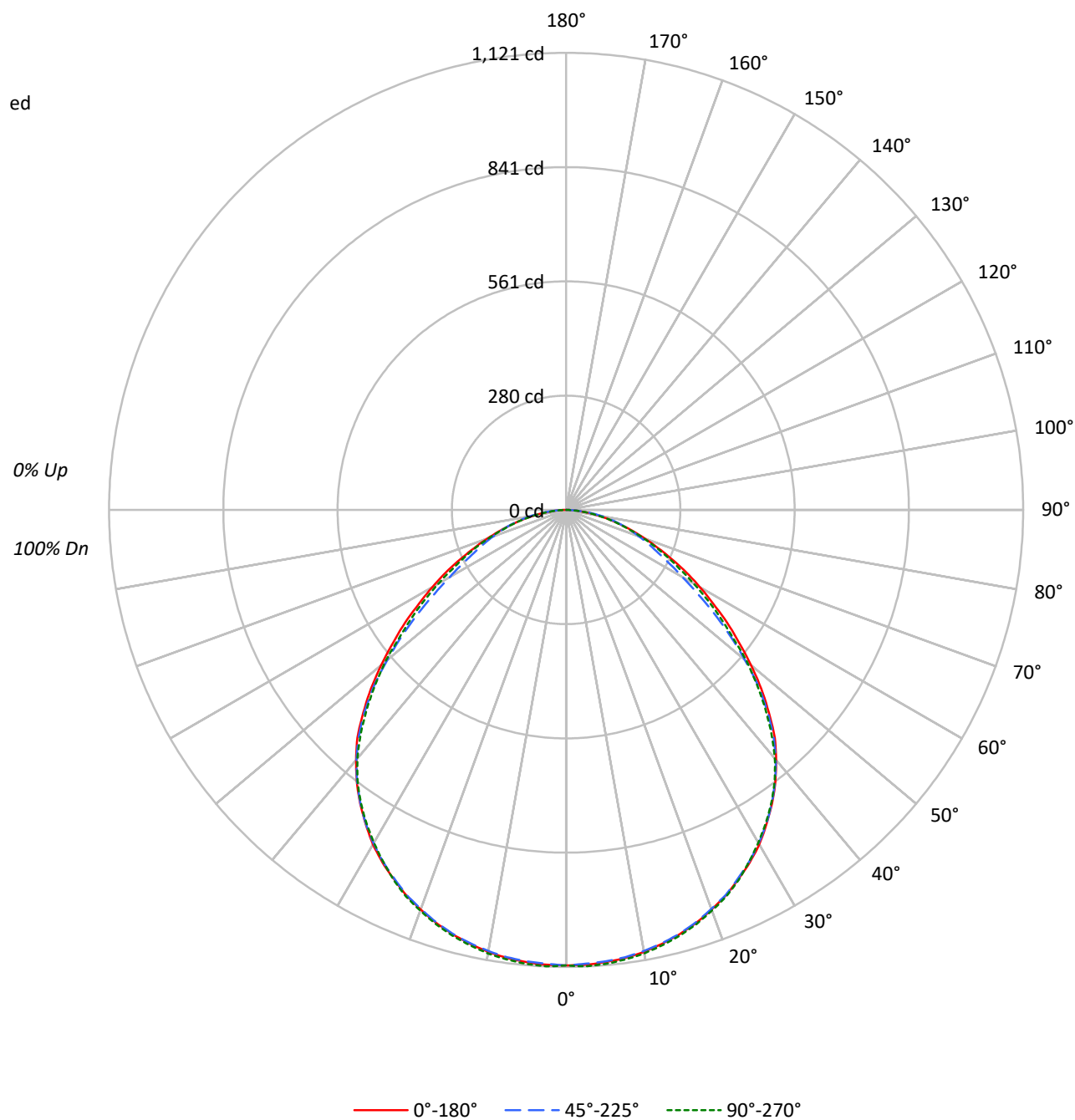
Lumens per Lamp: N/A
Luminaire Lumens: 2817.2 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	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°	3007	3007	3007
5°	3008	3002	3020
10°	3008	3002	3018
15°	3001	2997	3011
20°	2987	2983	2995
25°	2967	2962	2974
30°	2945	2935	2930
35°	2891	2889	2883
40°	2815	2811	2798
45°	2677	2657	2630
50°	2478	2395	2421
55°	2261	2078	2171
60°	2039	1772	1945
65°	1822	1585	1748
70°	1617	1500	1572
75°	1430	1454	1402
80°	1234	1389	1226
85°	923	1099	923

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2683 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.0	3.8
10°-20°	304.2	10.8
20°-30°	460.6	16.3
30°-40°	549.1	19.5
40°-50°	536.5	19.0
50°-60°	410.3	14.6
60°-70°	263.4	9.3
70°-80°	146.6	5.2
80°-90°	40.5	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°	870.8	30.9
0°-40°	1419.9	50.4
0°-60°	2366.7	84.0
0°-90°	2817.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2817.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1117	1117	1117	1117	1117	
5°	1114	1114	1112	1117	1118	106
15°	1077	1078	1076	1080	1081	304
25°	999	1000	998	1001	1002	461
35°	880	881	879	879	878	550
45°	703	705	698	697	691	541
55°	482	465	443	448	463	431
65°	286	264	249	257	275	285
75°	138	139	140	138	135	147
85°	30	35	36	34	30	37
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1117.4	1117.4	1117.4	1117.4	1117.4
2.5°	1116.7	1117.1	1114.2	1119.0	1120.6
5°	1113.5	1114.2	1111.5	1116.7	1117.9
7.5°	1108.7	1109.4	1106.7	1111.9	1112.3
10°	1100.7	1101.2	1098.7	1103.9	1104.6
12.5°	1090.0	1091.1	1088.4	1093.2	1093.5
15°	1077.1	1077.9	1075.9	1079.5	1080.7
17.5°	1062.0	1062.4	1060.4	1064.3	1064.7
20°	1043.1	1043.1	1041.5	1046.0	1046.0
22.5°	1023.9	1022.7	1022.3	1023.9	1026.4
25°	999.2	1000.4	997.6	1000.8	1001.5
27.5°	975.3	975.3	972.8	974.4	972.4
30°	947.7	946.1	944.5	944.8	942.9
32.5°	914.4	914.4	913.7	913.7	911.2
35°	880.1	880.9	879.3	878.8	877.7
37.5°	843.3	844.6	841.7	840.9	840.1
40°	801.3	801.3	800.1	798.5	796.5
42.5°	757.7	757.7	752.6	748.6	745.8
45°	703.4	705.0	698.2	696.6	691.1
47.5°	649.4	648.2	639.1	637.9	634.7
50°	591.9	585.1	572.0	575.5	578.4
52.5°	534.4	526.0	506.8	510.7	515.5
55°	482.0	465.3	442.9	448.4	462.8
57.5°	427.2	404.9	382.5	393.0	410.8
60°	378.9	353.7	329.3	340.5	361.3
62.5°	332.5	305.8	286.2	297.0	314.5
65°	286.2	264.1	249.0	257.3	274.6
67.5°	243.8	229.0	218.7	222.6	236.6
70°	205.5	196.2	190.7	191.8	199.8
72.5°	169.0	166.7	164.7	164.7	165.4
75°	137.5	138.7	139.8	138.0	134.8
77.5°	108.3	112.3	115.2	111.1	107.2
80°	79.6	86.0	89.6	85.1	79.1
82.5°	54.3	61.6	62.7	60.0	53.1
85°	29.9	35.1	35.6	34.4	29.9
87.5°	11.2	13.2	14.4	13.2	11.6
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	14.3	15.8	14.7	16.2	16.5	14.1	15.6	14.4	15.9	16.3
	3H	15.7	17.1	16.1	17.5	17.8	15.5	16.9	15.9	17.2	17.6
	4H	16.3	17.6	16.7	17.9	18.3	16.1	17.4	16.5	17.7	18.1
	6H	16.7	17.9	17.1	18.2	18.6	16.5	17.7	16.9	18.1	18.5
	8H	16.8	17.9	17.2	18.3	18.7	16.6	17.8	17.0	18.2	18.6
	12H	16.8	18.0	17.3	18.3	18.8	16.7	17.8	17.1	18.2	18.6
4H	2H	14.7	16.0	15.1	16.3	16.7	14.5	15.8	14.9	16.2	16.5
	3H	16.4	17.5	16.8	17.9	18.3	16.2	17.3	16.6	17.7	18.1
	4H	17.1	18.0	17.5	18.5	18.9	16.9	17.9	17.3	18.3	18.7
	6H	17.6	18.5	18.0	18.9	19.4	17.4	18.3	17.9	18.8	19.2
	8H	17.8	18.6	18.2	19.0	19.5	17.6	18.4	18.1	18.9	19.3
	12H	17.9	18.6	18.3	19.1	19.5	17.7	18.4	18.2	18.9	19.4
8H	4H	17.3	18.1	17.8	18.6	19.0	17.2	18.0	17.6	18.4	18.9
	6H	18.0	18.7	18.5	19.1	19.6	17.9	18.5	18.4	19.0	19.5
	8H	18.2	18.8	18.7	19.3	19.8	18.1	18.7	18.6	19.2	19.7
	12H	18.4	18.9	18.9	19.4	20.0	18.3	18.8	18.8	19.3	19.9
12H	4H	17.3	18.1	17.8	18.5	19.0	17.2	17.9	17.7	18.4	18.9
	6H	18.1	18.7	18.6	19.1	19.7	17.9	18.5	18.5	19.0	19.5
	8H	18.3	18.9	18.9	19.4	19.9	18.2	18.8	18.7	19.2	19.8

(END OF REPORT)