

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: P1471713

Luminaire Tested: 22PTR-35S-PB1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471713
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-35S-PB1-L835-UNV-STD-B
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PB1 Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

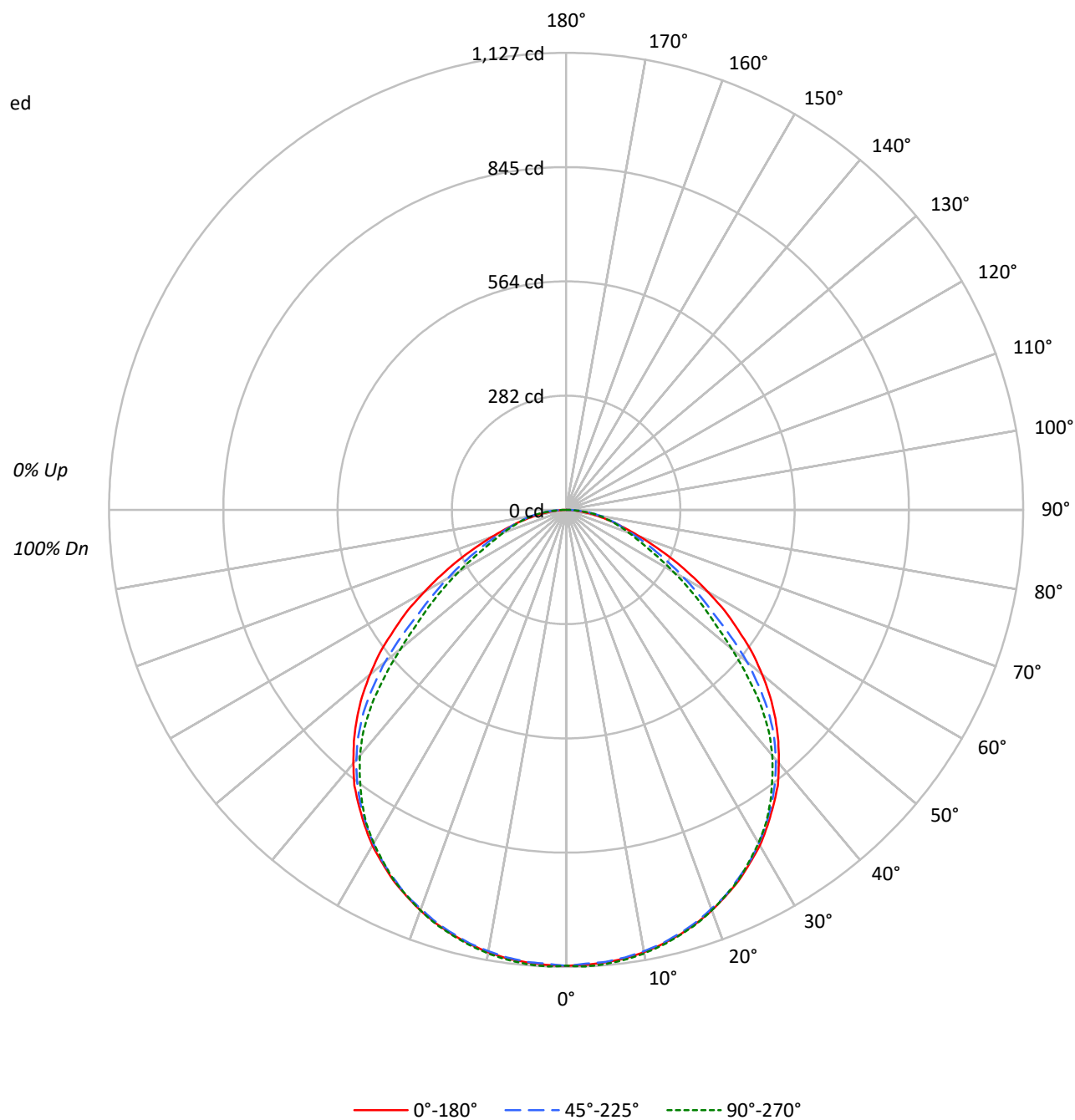
Lumens per Lamp: N/A
Luminaire Lumens: 2803.2 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	93	90	91	89	88	88	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	75	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	64	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	56	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	49	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	44	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	39	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	35	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	32	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3025	3025	3025
5°	3025	3022	3037
10°	3027	3019	3034
15°	3020	3012	3024
20°	3009	2998	3009
25°	2993	2980	2989
30°	2969	2952	2947
35°	2925	2903	2885
40°	2866	2827	2778
45°	2778	2689	2578
50°	2640	2437	2228
55°	2433	2070	1920
60°	2166	1809	1645
65°	1858	1568	1400
70°	1534	1382	1284
75°	1293	1323	1251
80°	1094	1350	1286
85°	855	1368	1198

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2778 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.6	3.8
10°-20°	305.9	10.9
20°-30°	463.3	16.5
30°-40°	552.0	19.7
40°-50°	539.9	19.3
50°-60°	408.3	14.6
60°-70°	250.9	8.9
70°-80°	133.7	4.8
80°-90°	42.6	1.5
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°	875.8	31.2
0°-40°	1427.8	50.9
0°-60°	2376.0	84.8
0°-90°	2803.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2803.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1124	1124	1124	1124	1124	
5°	1120	1121	1119	1123	1124	107
15°	1084	1085	1081	1085	1085	306
25°	1008	1007	1004	1005	1007	464
35°	890	889	884	879	878	557
45°	730	726	706	683	678	562
55°	518	492	441	416	409	464
65°	292	268	246	227	220	290
75°	124	126	127	123	120	133
85°	28	36	44	42	39	33
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1124.2	1124.2	1124.2	1124.2	1124.2
2.5°	1122.9	1124.2	1120.0	1125.6	1126.9
5°	1120.0	1121.4	1118.6	1122.9	1124.2
7.5°	1115.9	1115.9	1113.1	1117.2	1118.6
10°	1107.6	1107.6	1104.9	1108.9	1110.4
12.5°	1096.6	1096.6	1095.1	1097.9	1099.3
15°	1084.1	1085.4	1081.3	1085.4	1085.4
17.5°	1068.9	1067.6	1066.1	1068.9	1070.3
20°	1050.9	1050.9	1046.8	1049.5	1050.9
22.5°	1030.1	1030.1	1028.8	1030.1	1028.8
25°	1008.0	1006.6	1003.8	1005.3	1006.6
27.5°	981.8	981.8	979.0	979.0	977.5
30°	955.5	954.0	950.0	947.2	948.5
32.5°	923.7	922.2	918.2	915.4	916.7
35°	890.4	889.1	883.6	879.4	878.1
37.5°	857.3	853.1	846.2	840.7	835.1
40°	815.8	811.6	804.8	792.3	790.9
42.5°	774.3	770.3	759.1	744.0	739.8
45°	730.0	726.0	706.5	683.0	677.5
47.5°	683.0	676.2	645.7	616.7	605.6
50°	630.6	618.1	582.1	544.8	532.3
52.5°	579.4	557.3	510.3	477.0	464.7
55°	518.5	492.3	441.2	416.2	409.2
57.5°	464.7	428.7	387.2	362.3	356.8
60°	402.4	369.2	336.1	313.8	305.6
62.5°	345.6	316.6	289.0	269.6	260.0
65°	291.8	268.3	246.2	226.7	219.9
67.5°	239.2	226.7	208.7	193.7	189.4
70°	195.0	188.0	175.7	168.7	163.2
72.5°	154.9	157.7	149.4	146.6	142.4
75°	124.4	125.9	127.2	123.1	120.3
77.5°	94.1	100.9	106.4	103.6	100.9
80°	70.6	77.4	87.1	83.0	83.0
82.5°	48.3	56.8	65.0	62.3	60.8
85°	27.7	36.0	44.3	41.5	38.8
87.5°	11.0	18.0	19.3	19.3	18.0
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	14.7	16.3	15.1	16.6	16.9	13.4	15.0	13.8	15.3	15.6
	3H	16.0	17.4	16.3	17.7	18.1	14.7	16.1	15.1	16.4	16.8
	4H	16.4	17.7	16.8	18.0	18.4	15.3	16.6	15.7	16.9	17.3
	6H	16.7	17.9	17.1	18.3	18.6	15.8	17.0	16.2	17.3	17.7
	8H	16.8	17.9	17.2	18.3	18.7	15.9	17.1	16.4	17.5	17.9
	12H	16.8	17.9	17.2	18.3	18.7	16.1	17.2	16.5	17.6	18.0
4H	2H	15.1	16.4	15.5	16.7	17.1	14.0	15.3	14.4	15.6	16.0
	3H	16.5	17.6	16.9	18.0	18.4	15.5	16.6	15.9	17.0	17.4
	4H	17.1	18.0	17.5	18.5	18.9	16.2	17.1	16.6	17.6	18.0
	6H	17.5	18.3	17.9	18.8	19.2	16.8	17.7	17.3	18.1	18.6
	8H	17.6	18.4	18.1	18.9	19.3	17.1	17.9	17.5	18.3	18.8
	12H	17.7	18.4	18.2	18.9	19.4	17.3	18.0	17.7	18.4	18.9
8H	4H	17.3	18.1	17.7	18.5	19.0	16.5	17.3	16.9	17.7	18.2
	6H	17.8	18.5	18.3	19.0	19.4	17.3	17.9	17.8	18.4	18.9
	8H	18.0	18.6	18.5	19.1	19.6	17.6	18.2	18.1	18.7	19.2
	12H	18.2	18.7	18.7	19.2	19.8	17.9	18.4	18.4	18.9	19.5
12H	4H	17.3	18.0	17.8	18.5	19.0	16.5	17.2	17.0	17.7	18.2
	6H	17.9	18.5	18.4	18.9	19.5	17.3	17.9	17.9	18.4	18.9
	8H	18.1	18.7	18.7	19.2	19.7	17.7	18.3	18.2	18.8	19.3

(END OF REPORT)