

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: P1471780

Luminaire Tested: 24PTR-35S-PC3-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471780
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-35S-PC3-L835-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PC3 Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

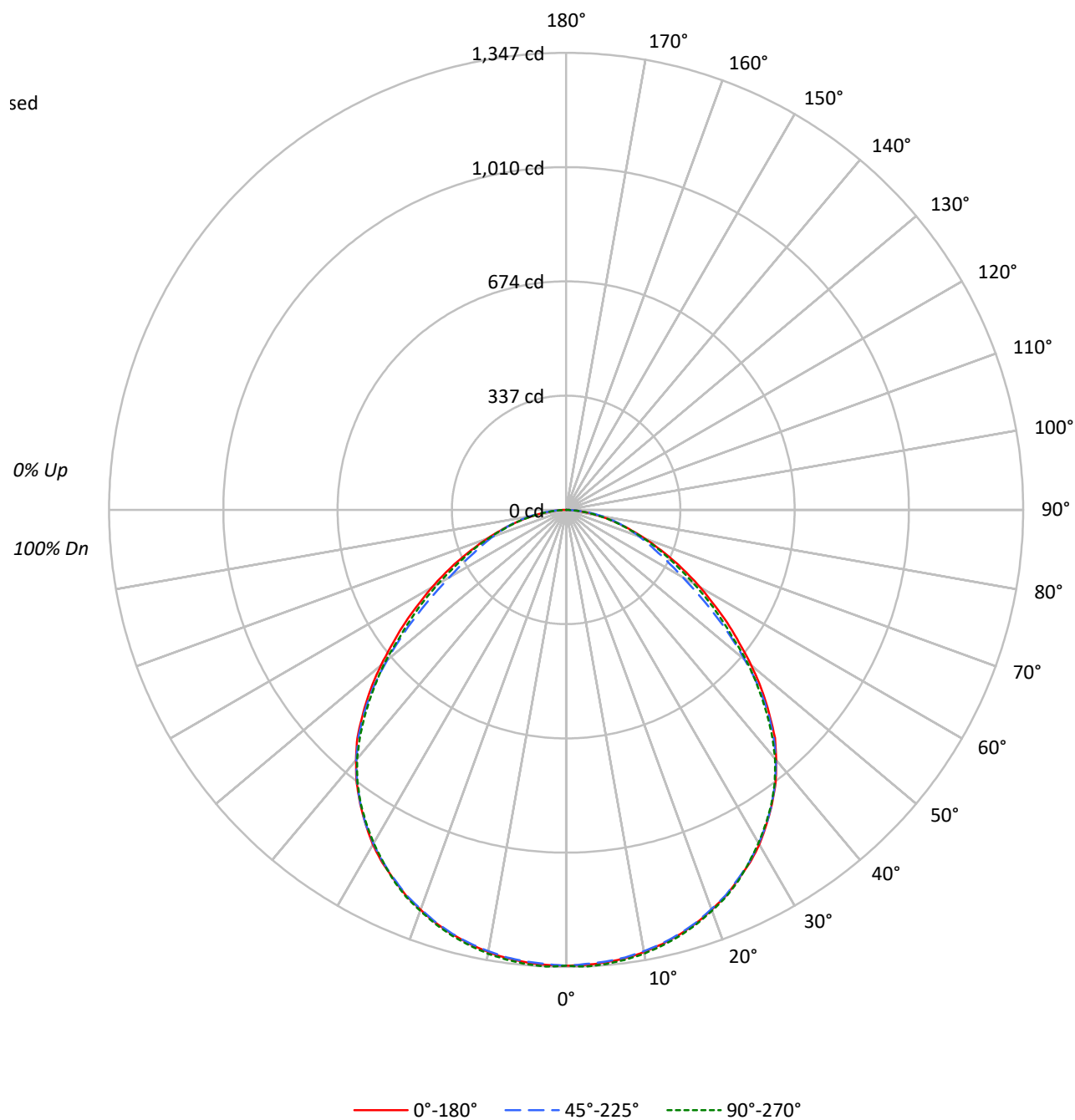
Lumens per Lamp: N/A
Luminaire Lumens: 3386.9 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.4
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: P1471780

CATALOG NUMBER: 24PTR-35S-PC3-L835-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1471780

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	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	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°	1808	1808	1808
5°	1808	1805	1815
10°	1808	1805	1814
15°	1804	1802	1810
20°	1796	1793	1801
25°	1783	1781	1788
30°	1770	1764	1761
35°	1738	1736	1733
40°	1692	1689	1682
45°	1609	1597	1581
50°	1490	1440	1456
55°	1359	1249	1305
60°	1226	1066	1169
65°	1096	953	1051
70°	972	902	945
75°	859	874	842
80°	742	834	737
85°	556	661	556

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1613 cd/sqm

TEST NUMBER: P1471780

CATALOG NUMBER: 24PTR-35S-PC3-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.4	3.8
10°-20°	365.7	10.8
20°-30°	553.7	16.3
30°-40°	660.2	19.5
40°-50°	645.1	19.0
50°-60°	493.2	14.6
60°-70°	316.7	9.4
70°-80°	176.2	5.2
80°-90°	48.7	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°	1046.9	30.9
0°-40°	1707.1	50.4
0°-60°	2845.4	84.0
0°-90°	3386.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3386.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1343	1343	1343	1343	1343	
5°	1339	1340	1336	1342	1344	127
15°	1295	1296	1294	1298	1299	365
25°	1201	1203	1199	1203	1204	554
35°	1058	1059	1057	1057	1055	661
45°	846	848	839	838	831	651
55°	579	559	532	539	556	518
65°	344	318	299	309	330	343
75°	165	167	168	166	162	177
85°	36	42	43	41	36	44
90°	0	0	0	0	0	

TEST NUMBER: P1471780

CATALOG NUMBER: 24PTR-35S-PC3-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1343.4	1343.4	1343.4	1343.4	1343.4
2.5°	1342.5	1343.1	1339.6	1345.3	1347.2
5°	1338.7	1339.6	1336.2	1342.5	1343.9
7.5°	1332.9	1333.8	1330.5	1336.8	1337.3
10°	1323.3	1323.9	1320.9	1327.2	1328.0
12.5°	1310.4	1311.8	1308.5	1314.2	1314.6
15°	1294.9	1295.9	1293.5	1297.8	1299.2
17.5°	1276.7	1277.2	1274.8	1279.5	1280.0
20°	1254.0	1254.0	1252.1	1257.5	1257.5
22.5°	1231.0	1229.6	1229.1	1231.0	1233.9
25°	1201.3	1202.7	1199.4	1203.2	1204.1
27.5°	1172.5	1172.5	1169.5	1171.4	1169.0
30°	1139.3	1137.4	1135.5	1135.8	1133.6
32.5°	1099.3	1099.3	1098.5	1098.5	1095.5
35°	1058.1	1059.0	1057.1	1056.6	1055.2
37.5°	1013.8	1015.4	1011.9	1011.0	1010.0
40°	963.3	963.3	961.9	960.0	957.6
42.5°	911.0	911.0	904.9	900.0	896.7
45°	845.7	847.6	839.4	837.5	830.8
47.5°	780.7	779.3	768.3	766.9	763.1
50°	711.6	703.4	687.7	691.9	695.4
52.5°	642.5	632.3	609.3	614.0	619.8
55°	579.4	559.4	532.5	539.1	556.4
57.5°	513.6	486.7	459.8	472.4	493.9
60°	455.5	425.3	396.0	409.4	434.4
62.5°	399.8	367.7	344.1	357.0	378.1
65°	344.1	317.6	299.4	309.4	330.1
67.5°	293.1	275.3	262.9	267.6	284.4
70°	247.0	235.9	229.2	230.6	240.2
72.5°	203.2	200.4	198.0	198.0	198.8
75°	165.3	166.7	168.1	165.9	162.0
77.5°	130.2	135.0	138.4	133.6	128.8
80°	95.7	103.4	107.7	102.3	95.1
82.5°	65.3	74.0	75.4	72.1	63.9
85°	36.0	42.2	42.8	41.4	36.0
87.5°	13.4	15.9	17.3	15.9	14.0
90°	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: 24PTR-35S-PC3-L835-UNV-STD-W

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	12.5	14.1	12.9	14.4	14.7	12.3	13.9	12.7	14.2	14.5
	3H	14.0	15.4	14.3	15.7	16.1	13.7	15.2	14.1	15.5	15.8
	4H	14.5	15.8	14.9	16.2	16.5	14.3	15.6	14.7	16.0	16.3
	6H	14.9	16.1	15.3	16.5	16.9	14.7	15.9	15.1	16.3	16.7
	8H	15.0	16.2	15.4	16.6	17.0	14.8	16.0	15.3	16.4	16.8
	12H	15.1	16.2	15.5	16.6	17.0	14.9	16.0	15.3	16.4	16.8
4H	2H	12.9	14.2	13.3	14.6	15.0	12.7	14.0	13.1	14.4	14.8
	3H	14.6	15.7	15.0	16.1	16.5	14.4	15.5	14.8	15.9	16.3
	4H	15.3	16.3	15.7	16.7	17.1	15.1	16.1	15.6	16.5	17.0
	6H	15.8	16.7	16.3	17.1	17.6	15.7	16.5	16.1	17.0	17.4
	8H	16.0	16.8	16.5	17.2	17.7	15.8	16.7	16.3	17.1	17.6
	12H	16.1	16.8	16.6	17.3	17.8	16.0	16.7	16.4	17.2	17.6
8H	4H	15.5	16.4	16.0	16.8	17.3	15.4	16.2	15.9	16.7	17.1
	6H	16.2	16.9	16.7	17.4	17.9	16.1	16.8	16.6	17.3	17.7
	8H	16.5	17.1	17.0	17.6	18.1	16.3	16.9	16.8	17.4	17.9
	12H	16.6	17.2	17.1	17.7	18.2	16.5	17.0	17.0	17.5	18.1
12H	4H	15.6	16.3	16.1	16.8	17.2	15.4	16.2	15.9	16.6	17.1
	6H	16.3	16.9	16.8	17.3	17.9	16.2	16.8	16.7	17.2	17.8
	8H	16.6	17.1	17.1	17.6	18.2	16.5	17.0	17.0	17.5	18.0

(END OF REPORT)