

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: P1471840

Luminaire Tested: 24PTR-65S-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471840
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-65S-L835-UNV-STD-W
Description: 6500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND Frosted Lens White Recessed Frame
Light Source: -
Ballast/Driver: -

Summary

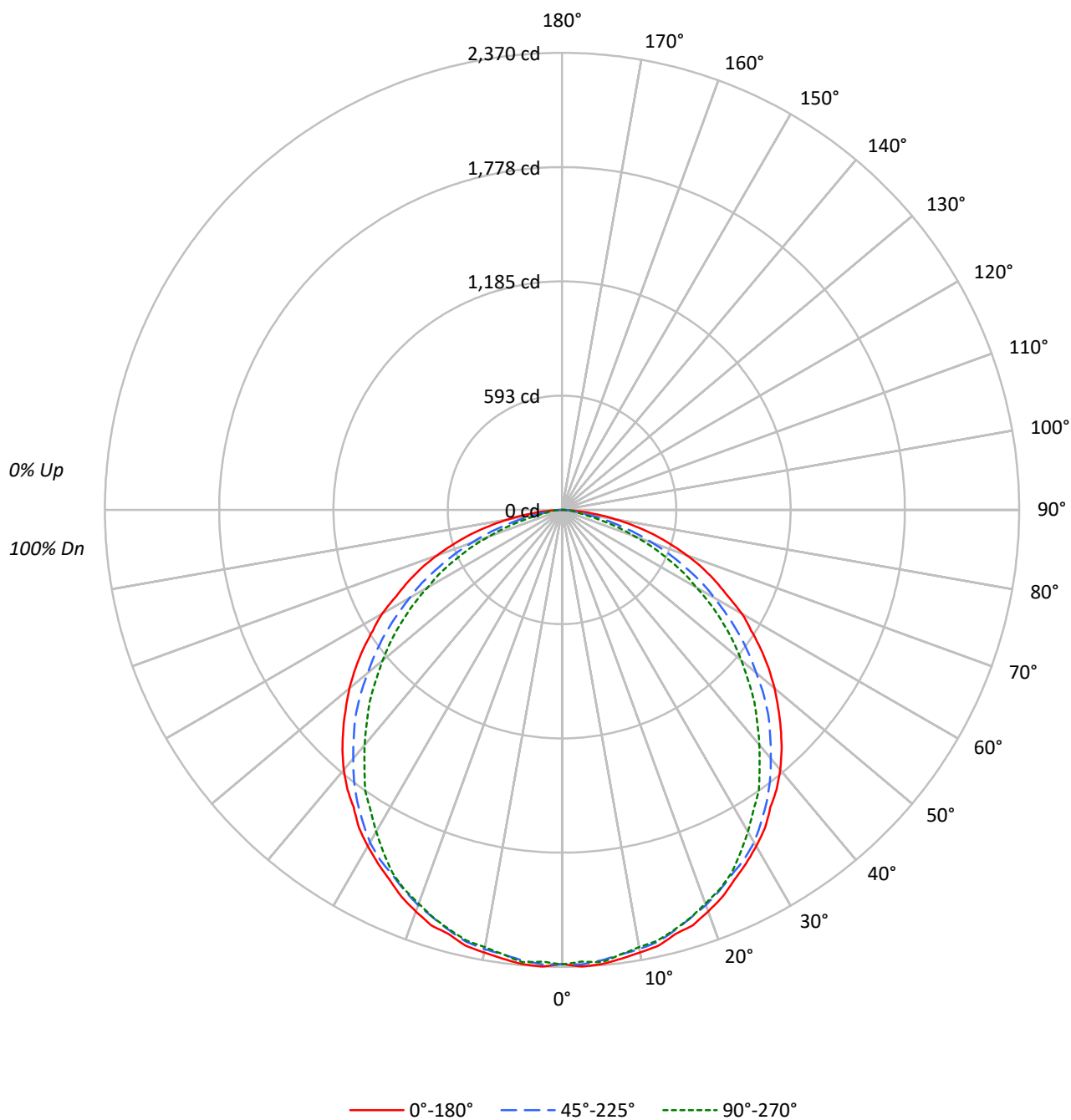
Lumens per Lamp: N/A
Luminaire Lumens: 6275.7 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 53.4
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: P1471840

CATALOG NUMBER: 24PTR-65S-L835-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1471840

CATALOG NUMBER: 24PTR-65S-L835-UNV-STD-W

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			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	109	105	101	97	107	103	99	96		98	95	93			95	92	90			91
2	100	92	85	80	97	90	84	79		87	81	77			83	79	75			80
3	91	81	73	67	89	79	72	66		76	70	65			74	68	64			71
4	84	72	63	57	81	71	63	56		68	61	56			66	60	55			64
5	77	64	56	49	75	63	55	49		61	54	48			59	53	48			57
6	71	58	49	43	69	57	49	43		55	48	42			54	47	42			52
7	66	53	44	38	64	52	44	38		50	43	38			49	42	37			48
8	61	48	40	34	60	47	39	34		46	39	34			45	38	33			44
9	57	44	36	31	56	44	36	30		42	35	30			41	35	30			40
10	54	41	33	28	53	40	33	28		39	32	28			38	32	27			37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3170	3170	3170
5°	3194	3167	3180
10°	3184	3159	3146
15°	3171	3145	3139
20°	3173	3122	3110
25°	3142	3096	3085
30°	3128	3094	2993
35°	3093	3038	2920
40°	3091	2958	2795
45°	3052	2881	2684
50°	3011	2752	2538
55°	2953	2624	2383
60°	2900	2454	2164
65°	2801	2252	1934
70°	2710	1959	1579
75°	2546	1547	1087
80°	2208	935	652
85°	1473	672	628

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3052 cd/sqm

TEST NUMBER: P1471840

CATALOG NUMBER: 24PTR-65S-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.3	3.6
10°-20°	639.1	10.2
20°-30°	965.3	15.4
30°-40°	1147.7	18.3
40°-50°	1164.0	18.5
50°-60°	1010.8	16.1
60°-70°	717.5	11.4
70°-80°	342.9	5.5
80°-90°	65.0	1.0
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°	1827.7	29.1
0°-40°	2975.4	47.4
0°-60°	5150.2	82.1
0°-90°	6275.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6275.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2356	2356	2356	2356	2356	
5°	2364	2356	2345	2350	2355	224
15°	2276	2282	2258	2255	2254	645
25°	2116	2113	2085	2094	2078	977
35°	1883	1880	1850	1786	1778	1183
45°	1604	1590	1514	1434	1410	1237
55°	1259	1221	1118	1052	1016	1125
65°	880	814	707	632	608	871
75°	490	400	298	236	209	514
85°	95	50	44	42	41	120
90°	0	0	0	0	0	

TEST NUMBER: P1471840

CATALOG NUMBER: 24PTR-65S-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2356.0	2356.0	2356.0	2356.0	2356.0
2.5°	2370.1	2361.6	2358.8	2368.7	2344.8
5°	2364.5	2356.0	2344.8	2350.4	2354.6
7.5°	2347.6	2340.6	2325.2	2337.8	2325.2
10°	2330.8	2323.8	2312.5	2316.7	2302.7
12.5°	2313.9	2297.1	2294.3	2297.1	2287.3
15°	2276.1	2281.7	2257.8	2255.0	2253.6
17.5°	2257.8	2243.8	2218.5	2219.9	2217.1
20°	2215.7	2198.9	2180.6	2177.8	2172.2
22.5°	2172.2	2152.6	2135.7	2144.1	2131.5
25°	2116.1	2113.3	2085.2	2093.6	2078.2
27.5°	2067.0	2057.1	2044.5	2026.3	2003.8
30°	2013.6	2003.8	1991.2	1943.5	1926.6
32.5°	1957.5	1946.3	1921.0	1864.9	1846.7
35°	1883.1	1880.3	1849.5	1786.3	1777.9
37.5°	1827.0	1796.1	1770.9	1706.3	1682.5
40°	1759.7	1742.8	1683.9	1622.1	1591.3
42.5°	1685.3	1665.6	1598.3	1532.3	1498.7
45°	1603.9	1589.9	1514.1	1434.1	1410.3
47.5°	1519.7	1507.1	1417.3	1340.1	1309.2
50°	1438.3	1422.9	1314.8	1240.5	1212.4
52.5°	1349.9	1324.7	1218.0	1145.0	1118.4
55°	1258.7	1220.8	1118.4	1052.4	1015.9
57.5°	1161.9	1126.8	1013.1	944.4	914.9
60°	1077.7	1028.6	912.1	841.9	804.1
62.5°	969.6	927.5	816.7	733.9	715.7
65°	879.8	813.9	707.2	631.5	607.6
67.5°	788.6	711.4	603.4	526.2	513.6
70°	689.0	609.0	498.1	422.4	401.3
72.5°	588.0	509.4	401.3	321.3	308.7
75°	489.7	399.9	297.5	235.7	209.1
77.5°	383.1	301.7	209.1	144.5	127.7
80°	284.9	203.5	120.7	85.6	84.2
82.5°	186.6	117.9	64.5	66.0	63.1
85°	95.4	50.5	43.5	42.1	40.7
87.5°	18.2	19.6	21.0	21.0	21.0
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1471840

CATALOG NUMBER: 24PTR-65S-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	16.1	17.8	16.5	18.1	18.4	14.8	16.4	15.2	16.7	17.1
	3H	18.0	19.4	18.4	19.7	20.1	16.1	17.5	16.5	17.9	18.2
	4H	18.7	20.0	19.1	20.4	20.8	16.4	17.7	16.8	18.1	18.5
	6H	19.2	20.4	19.6	20.8	21.2	16.5	17.7	16.9	18.1	18.5
	8H	19.3	20.5	19.7	20.9	21.3	16.5	17.7	16.9	18.1	18.5
	12H	19.4	20.5	19.8	20.9	21.3	16.5	17.6	16.9	18.0	18.4
4H	2H	16.6	17.9	17.0	18.3	18.6	15.5	16.9	15.9	17.2	17.6
	3H	18.6	19.7	19.0	20.1	20.5	16.9	18.1	17.3	18.5	18.9
	4H	19.4	20.4	19.8	20.8	21.3	17.3	18.3	17.7	18.7	19.2
	6H	20.0	20.9	20.4	21.3	21.8	17.4	18.3	17.9	18.7	19.2
	8H	20.1	21.0	20.6	21.4	21.9	17.4	18.3	17.9	18.7	19.2
	12H	20.2	21.0	20.7	21.5	21.9	17.5	18.2	17.9	18.7	19.1
8H	4H	19.5	20.3	19.9	20.8	21.2	17.6	18.4	18.0	18.8	19.3
	6H	20.1	20.8	20.6	21.3	21.8	17.7	18.4	18.2	18.9	19.4
	8H	20.3	20.9	20.8	21.4	21.9	17.8	18.4	18.3	18.9	19.4
	12H	20.5	21.0	21.0	21.5	22.0	17.8	18.3	18.3	18.8	19.4
12H	4H	19.5	20.2	19.9	20.7	21.2	17.6	18.3	18.1	18.8	19.3
	6H	20.1	20.7	20.6	21.2	21.7	17.7	18.4	18.3	18.8	19.4
	8H	20.3	20.9	20.8	21.4	21.9	17.8	18.3	18.3	18.8	19.4

(END OF REPORT)