

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: P1471846

Luminaire Tested: 24PTR-65S-PL1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471846
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-65S-PL1-L835-UNV-STD-W
Description: 6500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PL1 Lens White Recess
Frame
Light Source: -
Ballast/Driver: -

Summary

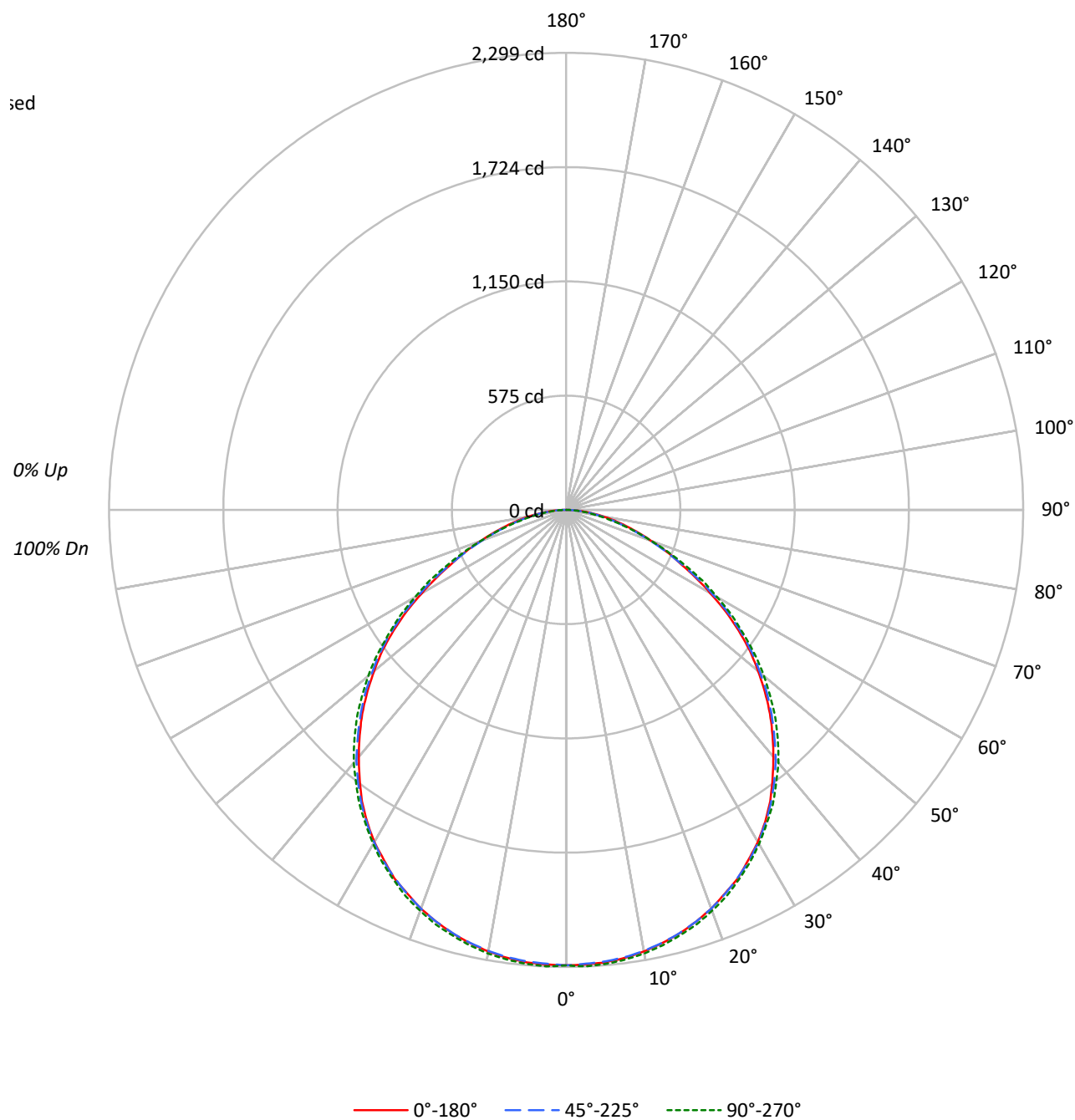
Lumens per Lamp: N/A
Luminaire Lumens: 6038.6 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1471846

CATALOG NUMBER: 24PTR-65S-PL1-L835-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1471846

CATALOG NUMBER: 24PTR-65S-PL1-L835-UNV-STD-W

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
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		94	92	90		91
2	100	92	86	80	97	90	84	79	87	82	77		83	79	75		80
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64
5	77	65	56	49	75	64	55	49	61	54	49		60	53	48		58
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3082	3082	3082
5°	3085	3079	3096
10°	3081	3078	3095
15°	3072	3070	3086
20°	3056	3056	3073
25°	3036	3032	3048
30°	2997	3001	3016
35°	2940	2951	2975
40°	2849	2882	2919
45°	2760	2783	2836
50°	2638	2667	2720
55°	2485	2525	2555
60°	2254	2302	2359
65°	2002	2024	2105
70°	1790	1753	1797
75°	1615	1522	1491
80°	1468	1362	1210
85°	1243	1129	971

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2836 cd/sqm

TEST NUMBER: P1471846

CATALOG NUMBER: 24PTR-65S-PL1-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.3	3.6
10°-20°	623.2	10.3
20°-30°	942.7	15.6
30°-40°	1123.7	18.6
40°-50°	1130.0	18.7
50°-60°	959.0	15.9
60°-70°	638.5	10.6
70°-80°	318.8	5.3
80°-90°	85.3	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°	1783.3	29.5
0°-40°	2907.0	48.1
0°-60°	4996.0	82.7
0°-90°	6038.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6038.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2291	2291	2291	2291	2291	
5°	2284	2285	2280	2290	2292	217
15°	2205	2208	2204	2213	2215	622
25°	2045	2045	2042	2052	2053	940
35°	1790	1792	1797	1809	1811	1117
45°	1450	1453	1462	1482	1490	1116
55°	1059	1067	1076	1086	1089	944
65°	629	634	636	645	661	630
75°	311	306	293	286	287	334
85°	80	79	73	69	63	93
90°	0	0	0	0	0	

TEST NUMBER: P1471846

CATALOG NUMBER: 24PTR-65S-PL1-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2290.9	2290.9	2290.9	2290.9	2290.9
2.5°	2289.0	2290.9	2284.7	2295.8	2298.6
5°	2284.1	2284.7	2279.8	2289.9	2292.4
7.5°	2273.0	2273.9	2268.7	2279.8	2281.3
10°	2255.1	2256.9	2252.6	2262.8	2265.3
12.5°	2232.3	2234.7	2230.4	2241.5	2243.4
15°	2205.1	2207.6	2204.2	2213.4	2215.3
17.5°	2171.8	2173.7	2171.8	2180.4	2185.4
20°	2134.5	2134.5	2134.5	2142.2	2146.5
22.5°	2087.9	2092.2	2090.4	2100.6	2104.9
25°	2044.7	2044.7	2042.0	2051.5	2053.1
27.5°	1984.3	1991.1	1990.5	1998.8	2000.6
30°	1929.1	1930.9	1931.9	1937.7	1941.1
32.5°	1862.2	1863.7	1866.5	1874.8	1875.7
35°	1790.0	1791.9	1796.8	1809.4	1811.3
37.5°	1706.1	1715.4	1719.7	1733.3	1734.8
40°	1621.9	1627.8	1640.7	1654.9	1661.7
42.5°	1536.2	1543.0	1550.7	1570.1	1576.3
45°	1450.4	1452.9	1462.5	1481.9	1490.5
47.5°	1355.5	1363.2	1371.5	1388.5	1393.7
50°	1260.5	1268.8	1274.0	1289.1	1299.3
52.5°	1164.6	1172.3	1178.1	1187.4	1197.6
55°	1059.4	1066.8	1076.3	1086.5	1089.0
57.5°	952.4	960.7	966.9	977.7	988.8
60°	837.6	847.2	855.5	865.7	876.8
62.5°	730.9	734.9	743.6	760.5	776.6
65°	628.8	634.1	635.6	645.2	661.2
67.5°	544.0	544.0	536.3	539.7	557.6
70°	454.9	451.5	445.7	442.3	456.8
72.5°	382.7	378.4	365.8	359.9	367.6
75°	310.6	306.2	292.7	285.9	286.8
77.5°	249.5	242.7	231.6	219.9	217.4
80°	189.4	186.6	175.8	164.7	156.1
82.5°	134.2	128.3	122.1	115.3	108.6
85°	80.5	79.0	73.1	68.8	62.9
87.5°	33.0	33.0	31.5	29.6	28.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1471846

CATALOG NUMBER: 24PTR-65S-PL1-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	15.1	16.7	15.5	17.0	17.3	15.3	16.9	15.6	17.2	17.5
	3H	16.5	17.9	16.9	18.3	18.6	16.6	18.0	17.0	18.4	18.7
	4H	17.0	18.3	17.4	18.7	19.1	17.0	18.4	17.4	18.7	19.1
	6H	17.4	18.6	17.8	19.0	19.4	17.3	18.5	17.7	18.9	19.3
	8H	17.5	18.7	17.9	19.1	19.5	17.4	18.6	17.8	19.0	19.4
	12H	17.6	18.7	18.0	19.1	19.5	17.4	18.6	17.9	18.9	19.4
4H	2H	15.6	17.0	16.0	17.3	17.7	15.7	17.1	16.1	17.4	17.8
	3H	17.2	18.3	17.6	18.7	19.1	17.3	18.4	17.7	18.8	19.2
	4H	17.8	18.8	18.2	19.2	19.7	17.8	18.8	18.2	19.2	19.7
	6H	18.3	19.2	18.8	19.7	20.1	18.2	19.1	18.6	19.5	20.0
	8H	18.5	19.3	19.0	19.8	20.2	18.3	19.1	18.8	19.6	20.0
	12H	18.6	19.4	19.1	19.8	20.3	18.4	19.1	18.9	19.6	20.1
8H	4H	18.0	18.9	18.5	19.3	19.8	18.0	18.8	18.5	19.3	19.7
	6H	18.6	19.3	19.1	19.8	20.3	18.5	19.2	19.0	19.7	20.1
	8H	18.9	19.5	19.4	20.0	20.5	18.7	19.3	19.2	19.8	20.3
	12H	19.1	19.6	19.6	20.1	20.7	18.8	19.3	19.3	19.8	20.4
12H	4H	18.0	18.8	18.5	19.3	19.7	18.0	18.8	18.5	19.2	19.7
	6H	18.7	19.3	19.2	19.8	20.3	18.5	19.2	19.1	19.6	20.2
	8H	19.0	19.5	19.5	20.0	20.6	18.8	19.3	19.3	19.8	20.4

(END OF REPORT)