

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: P1471851

Luminaire Tested: 24PTR-65S-PR1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471851
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-65S-PR1-L835-UNV-STD-B
Description: 6500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PR1 Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

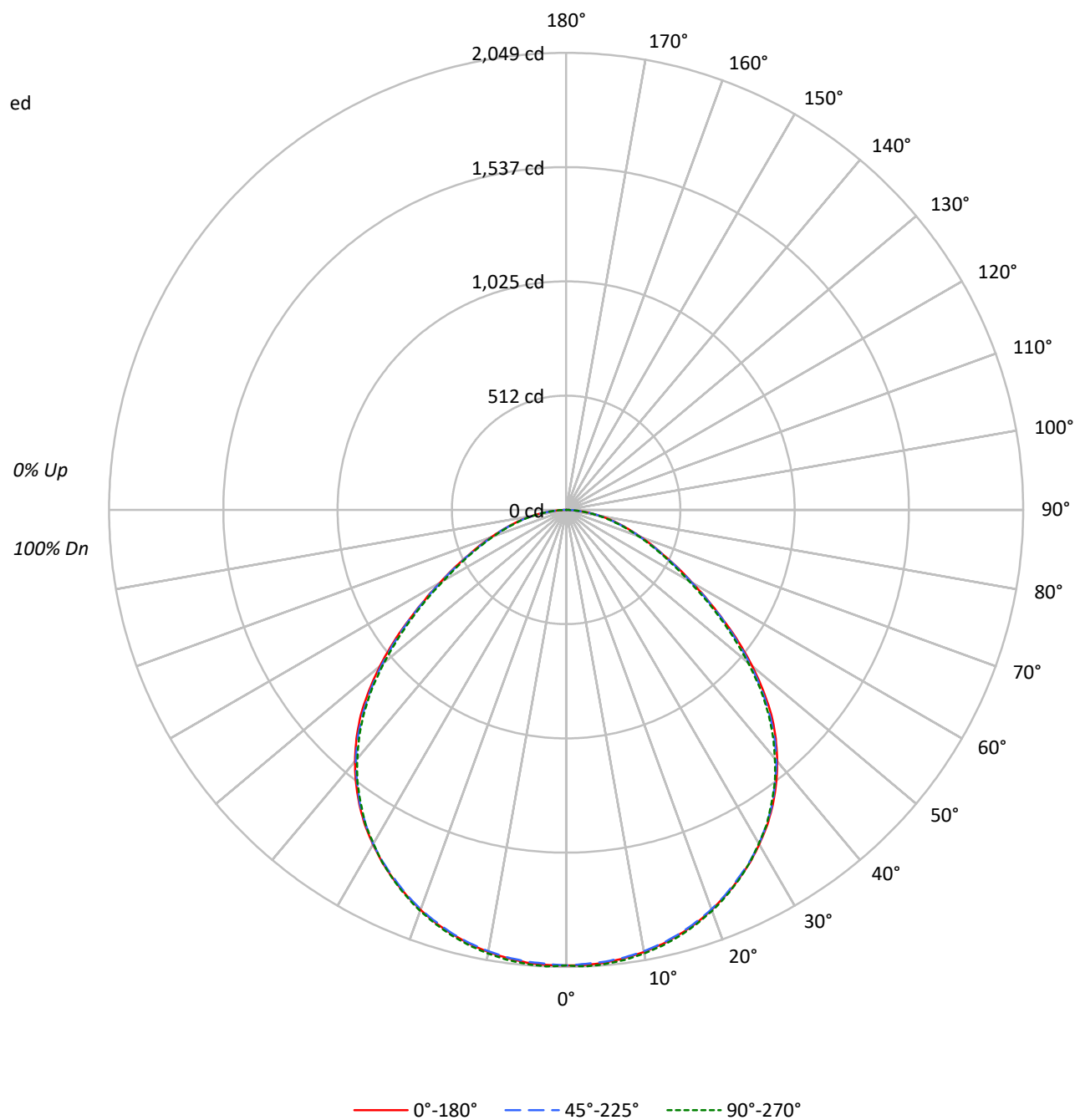
Lumens per Lamp: N/A
Luminaire Lumens: 5166.1 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	110	105	101	98	107	103	99	96		99	96	93		95	92	90		91	89	88
2	100	93	86	81	98	91	85	80		87	82	78		84	80	76		81	78	75
3	92	82	74	68	90	80	73	68		78	71	66		75	70	65		72	68	64
4	85	73	65	58	82	72	64	58		69	63	57		67	61	56		65	60	56
5	78	66	57	51	76	65	56	50		62	55	50		61	54	49		59	53	49
6	72	59	51	45	70	58	50	44		57	49	44		55	49	44		53	48	43
7	67	54	45	40	65	53	45	39		52	44	39		50	44	39		49	43	39
8	62	49	41	35	61	49	41	35		47	40	35		46	40	35		45	39	35
9	58	45	37	32	57	45	37	32		44	37	32		43	36	32		42	36	31
10	55	42	34	29	54	41	34	29		40	34	29		39	33	29		39	33	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2748	2748	2748
5°	2751	2745	2760
10°	2749	2744	2759
15°	2744	2740	2752
20°	2732	2729	2739
25°	2714	2708	2718
30°	2690	2687	2683
35°	2653	2647	2636
40°	2586	2576	2558
45°	2478	2450	2433
50°	2280	2255	2227
55°	2018	2009	1970
60°	1754	1747	1700
65°	1546	1536	1506
70°	1402	1382	1354
75°	1299	1268	1245
80°	1185	1168	1130
85°	937	928	891

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2478 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.8	3.8
10°-20°	556.2	10.8
20°-30°	842.6	16.3
30°-40°	1005.8	19.5
40°-50°	989.2	19.1
50°-60°	764.5	14.8
60°-70°	482.1	9.3
70°-80°	260.8	5.0
80°-90°	71.2	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°	1592.5	30.8
0°-40°	2598.3	50.3
0°-60°	4352.0	84.2
0°-90°	5166.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5166.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2043	2043	2043	2043	2043	
5°	2037	2038	2032	2041	2044	194
15°	1970	1970	1967	1973	1976	556
25°	1828	1830	1824	1830	1830	843
35°	1615	1616	1612	1609	1605	1008
45°	1302	1297	1288	1278	1278	997
55°	860	868	857	843	840	772
65°	486	486	483	474	473	488
75°	250	247	244	245	239	265
85°	61	61	60	61	58	72
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2042.7	2042.7	2042.7	2042.7	2042.7
2.5°	2041.9	2042.7	2036.9	2046.5	2048.6
5°	2036.9	2037.7	2032.4	2041.1	2043.5
7.5°	2026.5	2028.1	2023.0	2031.8	2034.0
10°	2011.9	2013.5	2008.4	2017.2	2019.3
12.5°	1993.8	1994.3	1990.1	1998.0	2000.2
15°	1969.6	1970.1	1966.7	1973.0	1976.0
17.5°	1941.6	1942.4	1937.4	1945.4	1946.7
20°	1908.1	1908.7	1905.7	1912.4	1913.2
22.5°	1870.6	1872.2	1867.7	1873.5	1874.3
25°	1828.3	1829.7	1823.8	1829.7	1830.5
27.5°	1783.6	1784.2	1779.1	1783.6	1782.8
30°	1731.5	1736.0	1729.4	1727.8	1727.2
32.5°	1677.5	1678.0	1671.6	1670.0	1673.0
35°	1615.2	1615.8	1611.5	1609.4	1604.9
37.5°	1547.1	1547.1	1538.9	1537.6	1536.8
40°	1472.4	1471.6	1466.5	1461.5	1456.2
42.5°	1391.0	1392.6	1382.2	1373.4	1372.1
45°	1302.4	1297.4	1287.8	1277.7	1278.5
47.5°	1197.9	1199.2	1186.2	1177.9	1175.8
50°	1089.3	1089.3	1077.1	1068.3	1063.8
52.5°	976.0	976.8	965.1	953.4	951.0
55°	860.3	867.5	856.6	842.7	839.8
57.5°	752.0	757.9	747.5	732.9	732.1
60°	651.7	652.3	649.3	635.5	631.8
62.5°	566.1	562.4	560.8	553.6	549.1
65°	485.5	486.3	482.6	474.3	473.0
67.5°	420.3	419.5	412.9	407.8	404.9
70°	356.5	354.3	351.4	347.2	344.2
72.5°	299.5	299.5	297.1	295.8	290.8
75°	249.8	246.9	243.9	245.3	239.4
77.5°	202.2	199.2	196.9	193.9	192.6
80°	153.0	150.0	150.8	146.3	145.8
82.5°	106.1	106.1	104.8	101.1	101.9
85°	60.7	61.4	60.1	60.7	57.7
87.5°	22.1	22.6	24.2	22.6	22.6
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	14.0	15.6	14.4	15.9	16.2	13.8	15.4	14.2	15.7	16.0
	3H	15.4	16.8	15.8	17.1	17.5	15.2	16.6	15.5	16.9	17.3
	4H	15.9	17.2	16.3	17.6	17.9	15.7	17.0	16.1	17.4	17.7
	6H	16.3	17.5	16.7	17.9	18.3	16.1	17.3	16.5	17.7	18.1
	8H	16.4	17.6	16.9	18.0	18.4	16.2	17.4	16.6	17.8	18.2
	12H	16.5	17.6	17.0	18.0	18.4	16.3	17.4	16.7	17.8	18.2
4H	2H	14.5	15.8	14.9	16.2	16.5	14.3	15.6	14.7	16.0	16.3
	3H	16.1	17.2	16.5	17.6	18.0	15.9	17.0	16.3	17.4	17.8
	4H	16.7	17.7	17.1	18.1	18.6	16.5	17.5	17.0	17.9	18.4
	6H	17.3	18.1	17.7	18.6	19.0	17.1	17.9	17.5	18.4	18.8
	8H	17.4	18.2	17.9	18.7	19.1	17.2	18.0	17.7	18.5	19.0
	12H	17.5	18.3	18.0	18.7	19.2	17.4	18.1	17.8	18.6	19.0
8H	4H	17.0	17.8	17.4	18.2	18.7	16.8	17.6	17.3	18.0	18.5
	6H	17.6	18.3	18.1	18.8	19.2	17.4	18.1	17.9	18.6	19.1
	8H	17.9	18.5	18.4	19.0	19.4	17.7	18.3	18.2	18.8	19.3
	12H	18.0	18.6	18.5	19.1	19.6	17.9	18.4	18.4	18.9	19.4
12H	4H	17.0	17.7	17.5	18.2	18.6	16.8	17.5	17.3	18.0	18.5
	6H	17.7	18.3	18.2	18.7	19.3	17.5	18.1	18.0	18.6	19.1
	8H	17.9	18.5	18.5	19.0	19.5	17.8	18.3	18.3	18.8	19.4

(END OF REPORT)