

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: P1471857

Luminaire Tested: 24PTR-72S-PB1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471857
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: 24PTR-72S-PB1-L835-UNV-STD-B
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PB1 Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

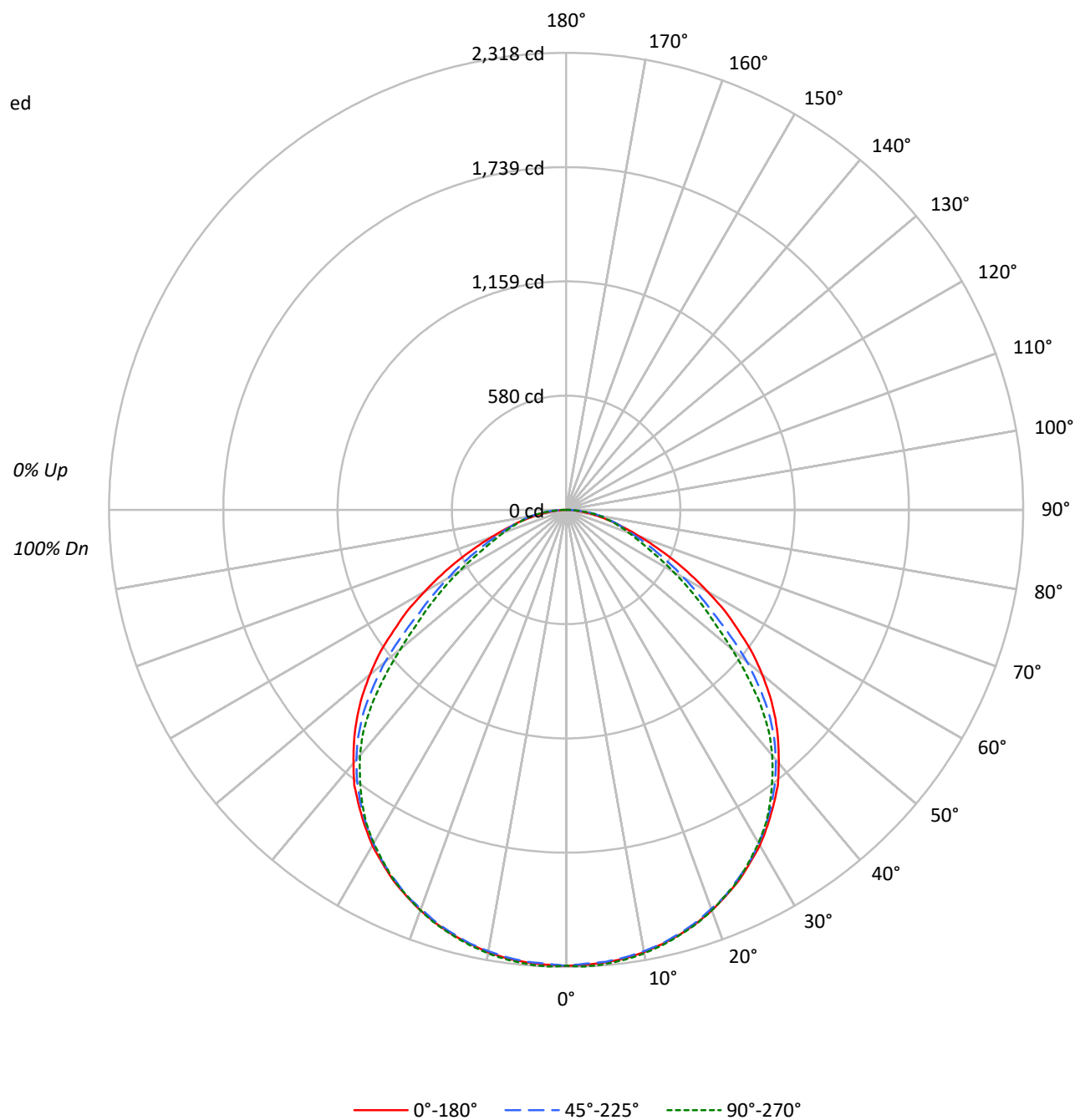
Lumens per Lamp: N/A
Luminaire Lumens: 5764.9 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 60.9
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
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	93	90		91	89	88
2	100	93	86	81	98	91	85	80		87	83	78		84	80	77		81	78	75
3	92	82	75	69	90	81	74	68		78	72	67		75	70	66		73	68	64
4	85	73	65	59	83	72	64	58		70	63	58		67	62	57		65	60	56
5	78	66	57	51	76	65	57	51		63	56	50		61	55	50		59	54	49
6	72	60	51	45	71	59	51	45		57	50	44		55	49	44		54	48	44
7	67	54	46	40	66	53	45	40		52	45	39		51	44	39		49	43	39
8	63	50	41	36	61	49	41	36		48	41	35		46	40	35		45	39	35
9	59	46	38	32	57	45	37	32		44	37	32		43	36	32		42	36	32
10	55	42	34	29	54	42	34	29		41	34	29		40	33	29		39	33	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3111	3111	3111
5°	3111	3107	3123
10°	3112	3104	3120
15°	3106	3098	3109
20°	3094	3082	3094
25°	3078	3065	3073
30°	3053	3035	3031
35°	3008	2985	2966
40°	2947	2907	2857
45°	2857	2765	2651
50°	2715	2506	2292
55°	2502	2128	1974
60°	2227	1860	1691
65°	1911	1612	1440
70°	1577	1421	1320
75°	1330	1359	1287
80°	1124	1388	1323
85°	880	1406	1230

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2857 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.2	3.8
10°-20°	629.0	10.9
20°-30°	952.8	16.5
30°-40°	1135.3	19.7
40°-50°	1110.2	19.3
50°-60°	839.8	14.6
60°-70°	515.9	8.9
70°-80°	274.9	4.8
80°-90°	87.7	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°	1801.0	31.2
0°-40°	2936.4	50.9
0°-60°	4886.4	84.8
0°-90°	5764.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5764.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2312	2312	2312	2312	2312	
5°	2303	2306	2301	2309	2312	219
15°	2230	2232	2224	2232	2232	629
25°	2073	2070	2064	2067	2070	955
35°	1831	1829	1817	1809	1806	1145
45°	1501	1493	1453	1405	1393	1155
55°	1066	1012	907	856	842	955
65°	600	552	506	466	452	597
75°	256	259	262	253	248	274
85°	57	74	91	85	80	68
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2311.9	2311.9	2311.9	2311.9	2311.9
2.5°	2309.2	2311.9	2303.3	2314.9	2317.6
5°	2303.3	2306.3	2300.6	2309.2	2311.9
7.5°	2294.9	2294.9	2289.2	2297.6	2300.6
10°	2277.9	2277.9	2272.2	2280.6	2283.6
12.5°	2255.2	2255.2	2252.2	2257.9	2260.9
15°	2229.5	2232.2	2223.9	2232.2	2232.2
17.5°	2198.2	2195.5	2192.5	2198.2	2201.2
20°	2161.2	2161.2	2152.8	2158.5	2161.2
22.5°	2118.5	2118.5	2115.8	2118.5	2115.8
25°	2073.1	2070.1	2064.4	2067.4	2070.1
27.5°	2019.1	2019.1	2013.4	2013.4	2010.4
30°	1965.0	1962.0	1953.7	1948.0	1950.7
32.5°	1899.6	1896.7	1888.3	1882.6	1885.3
35°	1831.3	1828.6	1817.2	1808.6	1805.9
37.5°	1763.2	1754.5	1740.2	1728.9	1717.5
40°	1677.8	1669.2	1655.1	1629.5	1626.5
42.5°	1592.4	1584.1	1561.1	1530.0	1521.4
45°	1501.4	1493.0	1453.0	1404.7	1393.3
47.5°	1404.7	1390.6	1327.9	1268.2	1245.5
50°	1296.9	1271.2	1197.2	1120.4	1094.8
52.5°	1191.5	1146.1	1049.4	981.0	955.6
55°	1066.4	1012.4	907.3	855.9	841.6
57.5°	955.6	881.6	796.2	745.2	733.8
60°	827.6	759.2	691.1	645.5	628.4
62.5°	710.8	651.1	594.4	554.4	534.7
65°	600.1	551.7	506.3	466.3	452.3
67.5°	492.0	466.3	429.3	398.3	389.6
70°	400.9	386.6	361.2	346.9	335.6
72.5°	318.5	324.2	307.2	301.5	292.9
75°	255.9	258.8	261.5	253.2	247.5
77.5°	193.5	207.5	218.8	213.2	207.5
80°	145.1	159.1	179.1	170.8	170.8
82.5°	99.4	116.7	133.7	128.1	125.1
85°	57.0	74.0	91.1	85.4	79.7
87.5°	22.7	37.0	39.7	39.7	37.0
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	14.8	16.4	15.2	16.7	17.0	13.5	15.1	13.9	15.4	15.7
	3H	16.1	17.5	16.4	17.8	18.2	14.8	16.2	15.2	16.5	16.9
	4H	16.5	17.8	16.9	18.1	18.5	15.4	16.7	15.8	17.0	17.4
	6H	16.8	18.0	17.2	18.3	18.7	15.9	17.1	16.3	17.4	17.8
	8H	16.9	18.0	17.3	18.4	18.8	16.0	17.2	16.5	17.6	18.0
	12H	16.9	18.0	17.3	18.4	18.8	16.2	17.3	16.6	17.7	18.1
4H	2H	15.2	16.5	15.6	16.8	17.2	14.1	15.4	14.5	15.7	16.1
	3H	16.6	17.7	17.0	18.1	18.5	15.6	16.7	16.0	17.1	17.5
	4H	17.2	18.1	17.6	18.5	19.0	16.3	17.2	16.7	17.7	18.1
	6H	17.6	18.4	18.0	18.9	19.3	16.9	17.8	17.4	18.2	18.7
	8H	17.7	18.5	18.2	19.0	19.4	17.2	18.0	17.6	18.4	18.9
	12H	17.8	18.5	18.3	19.0	19.5	17.3	18.1	17.8	18.5	19.0
8H	4H	17.4	18.2	17.8	18.6	19.1	16.6	17.4	17.0	17.8	18.3
	6H	17.9	18.6	18.4	19.1	19.5	17.4	18.0	17.8	18.5	19.0
	8H	18.1	18.7	18.6	19.2	19.7	17.7	18.3	18.2	18.8	19.3
	12H	18.3	18.8	18.8	19.3	19.9	18.0	18.5	18.5	19.0	19.6
12H	4H	17.4	18.1	17.9	18.6	19.0	16.6	17.3	17.1	17.8	18.3
	6H	18.0	18.6	18.5	19.0	19.6	17.4	18.0	18.0	18.5	19.0
	8H	18.2	18.8	18.7	19.3	19.8	17.8	18.4	18.3	18.9	19.4

(END OF REPORT)