

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: P1471855

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471855
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-72S-L835-UNV-STD-B
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND Frosted Lens Black Recessed Frame
Light Source: -
Ballast/Driver: -

Summary

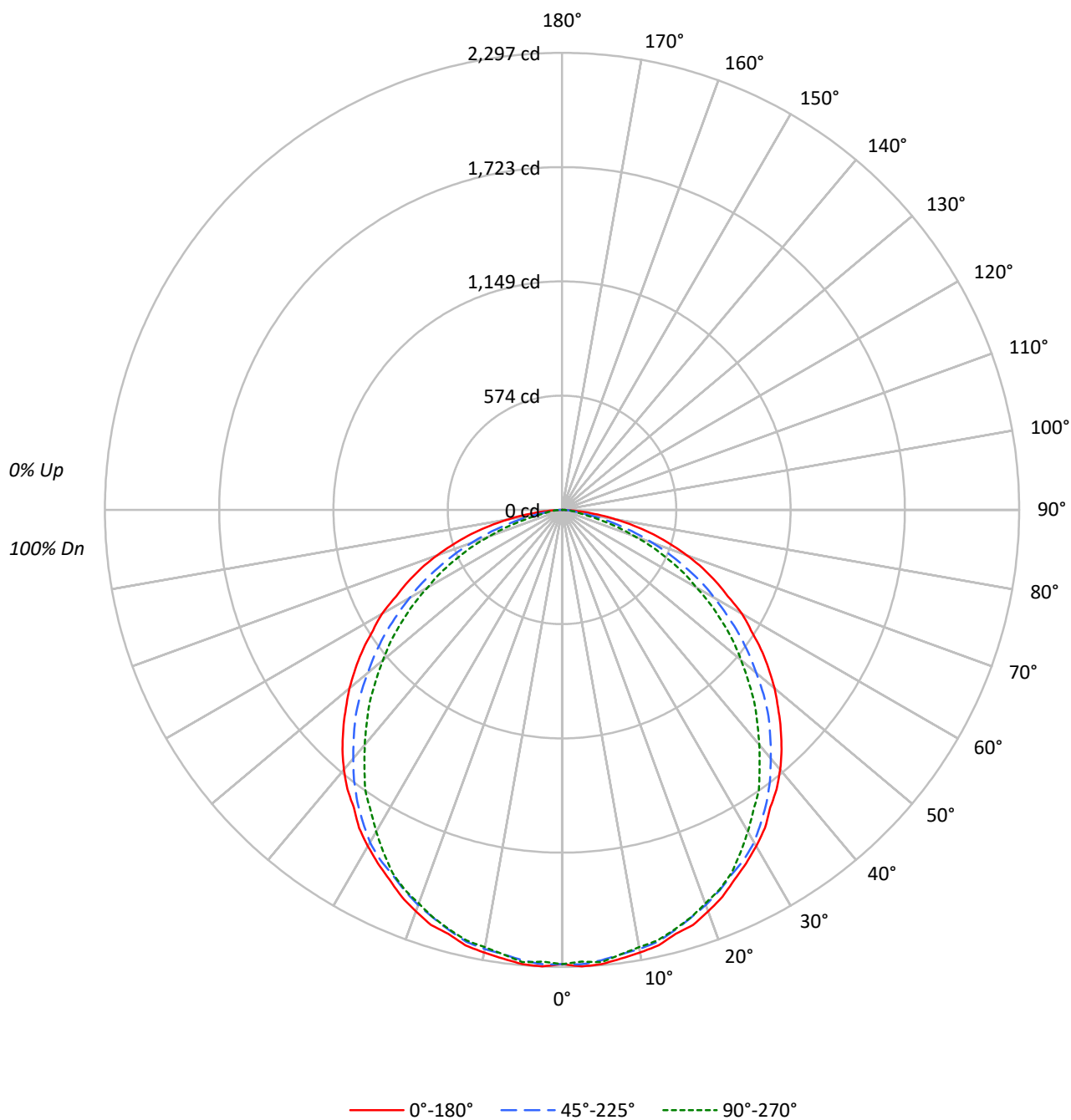
Lumens per Lamp: N/A
Luminaire Lumens: 6081.1 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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					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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3072	3072	3072
5°	3094	3069	3082
10°	3086	3061	3049
15°	3072	3048	3042
20°	3074	3025	3014
25°	3044	3000	2990
30°	3031	2998	2900
35°	2997	2944	2830
40°	2995	2866	2708
45°	2957	2792	2600
50°	2917	2667	2459
55°	2861	2542	2309
60°	2810	2378	2097
65°	2714	2182	1875
70°	2626	1899	1530
75°	2467	1499	1053
80°	2139	906	632
85°	1428	651	608

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2957 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.4	3.6
10°-20°	619.3	10.2
20°-30°	935.4	15.4
30°-40°	1112.1	18.3
40°-50°	1127.9	18.5
50°-60°	979.4	16.1
60°-70°	695.3	11.4
70°-80°	332.3	5.5
80°-90°	63.0	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°	1771.0	29.1
0°-40°	2883.2	47.4
0°-60°	4990.6	82.1
0°-90°	6081.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6081.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2283	2283	2283	2283	2283	
5°	2291	2283	2272	2278	2282	217
15°	2206	2211	2188	2185	2184	625
25°	2050	2048	2021	2029	2014	947
35°	1825	1822	1792	1731	1723	1147
45°	1554	1541	1467	1390	1366	1199
55°	1220	1183	1084	1020	984	1090
65°	853	789	685	612	589	844
75°	474	388	288	228	203	498
85°	92	49	42	41	39	117
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2283.0	2283.0	2283.0	2283.0	2283.0
2.5°	2296.6	2288.4	2285.7	2295.2	2272.1
5°	2291.1	2283.0	2272.1	2277.5	2281.6
7.5°	2274.8	2268.0	2253.1	2265.3	2253.1
10°	2258.5	2251.7	2240.8	2244.9	2231.3
12.5°	2242.2	2225.9	2223.2	2225.9	2216.4
15°	2205.5	2210.9	2187.8	2185.1	2183.7
17.5°	2187.8	2174.2	2149.7	2151.1	2148.4
20°	2147.0	2130.7	2113.0	2110.3	2104.9
22.5°	2104.9	2085.8	2069.5	2077.7	2065.4
25°	2050.5	2047.8	2020.6	2028.7	2013.8
27.5°	2002.9	1993.4	1981.1	1963.4	1941.7
30°	1951.2	1941.7	1929.5	1883.2	1866.9
32.5°	1896.8	1885.9	1861.5	1807.1	1789.4
35°	1824.8	1822.0	1792.1	1730.9	1722.8
37.5°	1770.4	1740.5	1716.0	1653.4	1630.3
40°	1705.1	1688.8	1631.7	1571.8	1541.9
42.5°	1633.0	1614.0	1548.7	1484.8	1452.2
45°	1554.2	1540.6	1467.1	1389.6	1366.5
47.5°	1472.6	1460.3	1373.3	1298.5	1268.6
50°	1393.7	1378.8	1274.1	1202.0	1174.8
52.5°	1308.1	1283.6	1180.2	1109.5	1083.7
55°	1219.7	1183.0	1083.7	1019.8	984.4
57.5°	1125.9	1091.9	981.7	915.1	886.5
60°	1044.3	996.7	883.8	815.8	779.1
62.5°	939.6	898.8	791.4	711.1	693.5
65°	852.6	788.6	685.3	611.9	588.8
67.5°	764.2	689.4	584.7	509.9	497.7
70°	667.6	590.1	482.7	409.3	388.9
72.5°	569.7	493.6	388.9	311.4	299.1
75°	474.5	387.5	288.3	228.4	202.6
77.5°	371.2	292.3	202.6	140.1	123.7
80°	276.0	197.2	116.9	82.9	81.6
82.5°	180.8	114.2	62.5	63.9	61.2
85°	92.5	49.0	42.2	40.8	39.4
87.5°	17.7	19.0	20.4	20.4	20.4
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	16.0	17.6	16.4	18.0	18.3	14.7	16.3	15.1	16.6	16.9
	3H	17.9	19.3	18.2	19.6	20.0	16.0	17.4	16.4	17.8	18.1
	4H	18.6	19.9	19.0	20.3	20.6	16.3	17.6	16.7	18.0	18.4
	6H	19.0	20.3	19.5	20.7	21.1	16.4	17.6	16.8	18.0	18.4
	8H	19.2	20.4	19.6	20.8	21.2	16.4	17.6	16.8	18.0	18.4
	12H	19.2	20.4	19.7	20.8	21.2	16.4	17.5	16.8	17.9	18.3
4H	2H	16.5	17.8	16.9	18.2	18.5	15.4	16.7	15.8	17.1	17.5
	3H	18.5	19.6	18.9	20.0	20.4	16.8	18.0	17.2	18.4	18.8
	4H	19.3	20.3	19.7	20.7	21.1	17.2	18.2	17.6	18.6	19.1
	6H	19.9	20.7	20.3	21.2	21.6	17.3	18.2	17.8	18.6	19.1
	8H	20.0	20.9	20.5	21.3	21.8	17.3	18.2	17.8	18.6	19.1
	12H	20.1	20.9	20.6	21.3	21.8	17.3	18.1	17.8	18.6	19.0
8H	4H	19.4	20.2	19.8	20.6	21.1	17.5	18.3	17.9	18.7	19.2
	6H	20.0	20.7	20.5	21.2	21.7	17.6	18.3	18.1	18.8	19.3
	8H	20.2	20.8	20.7	21.3	21.8	17.6	18.3	18.2	18.8	19.3
	12H	20.3	20.9	20.8	21.4	21.9	17.7	18.2	18.2	18.7	19.3
12H	4H	19.4	20.1	19.8	20.6	21.0	17.5	18.2	18.0	18.7	19.2
	6H	20.0	20.6	20.5	21.1	21.6	17.6	18.3	18.2	18.7	19.3
	8H	20.2	20.8	20.7	21.2	21.8	17.7	18.2	18.2	18.7	19.3

(END OF REPORT)