

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: P1050880

Luminaire Tested: 24PTR-80-PP3-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050880
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-80-PP3-L840-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

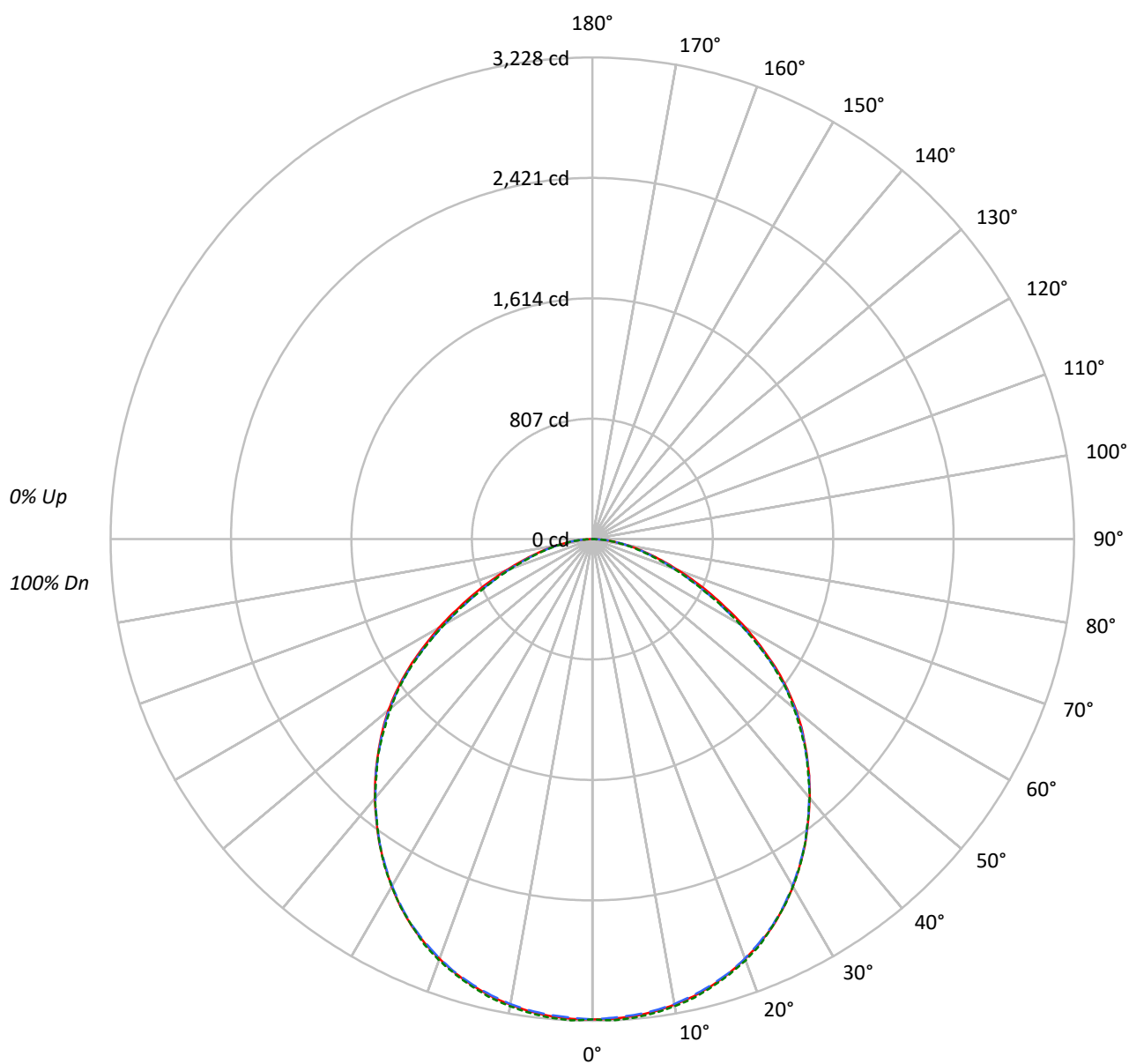
Lumens per Lamp: N/A
Luminaire Lumens: 8316.8 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 68
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1050880

CATALOG NUMBER: 24PTR-80-PP3-L840-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050880

CATALOG NUMBER: 24PTR-80-PP3-L840-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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4331	4331	4331
5°	4335	4325	4349
10°	4329	4322	4343
15°	4315	4306	4326
20°	4286	4282	4301
25°	4248	4241	4246
30°	4176	4168	4176
35°	4086	4080	4084
40°	3981	3968	3979
45°	3861	3850	3855
50°	3732	3715	3688
55°	3514	3473	3462
60°	3189	3081	3087
65°	2801	2660	2656
70°	2422	2312	2285
75°	2095	2017	1973
80°	1855	1829	1746
85°	1533	1585	1494

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3875 cd/sqm

TEST NUMBER: P1050880

CATALOG NUMBER: 24PTR-80-PP3-L840-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.3	3.7
10°-20°	874.5	10.5
20°-30°	1316.6	15.8
30°-40°	1553.9	18.7
40°-50°	1562.8	18.8
50°-60°	1319.4	15.9
60°-70°	847.3	10.2
70°-80°	421.4	5.1
80°-90°	115.5	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°	2496.4	30.0
0°-40°	4050.3	48.7
0°-60°	6932.5	83.4
0°-90°	8316.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8316.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3219	3219	3219	3219	3219	
5°	3210	3210	3202	3218	3220	305
15°	3098	3098	3092	3106	3106	874
25°	2861	2862	2857	2862	2860	1317
35°	2487	2489	2484	2486	2486	1555
45°	2029	2036	2023	2026	2026	1566
55°	1498	1496	1480	1474	1476	1332
65°	880	867	836	827	834	877
75°	403	401	388	384	380	436
85°	99	103	103	97	97	117
90°	0	0	0	0	0	

TEST NUMBER: P1050880

CATALOG NUMBER: 24PTR-80-PP3-L840-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3218.9	3218.9	3218.9	3218.9	3218.9
2.5°	3217.6	3218.9	3210.4	3225.7	3228.2
5°	3209.5	3210.4	3202.3	3217.6	3219.7
7.5°	3193.0	3194.3	3187.0	3201.0	3203.6
10°	3168.4	3172.2	3163.7	3176.8	3179.0
12.5°	3138.2	3139.5	3131.0	3146.3	3148.8
15°	3097.5	3098.3	3091.5	3105.5	3105.5
17.5°	3050.3	3051.6	3046.9	3058.8	3057.5
20°	2993.4	2996.8	2990.9	2999.0	3003.6
22.5°	2931.5	2932.7	2925.5	2936.1	2940.8
25°	2861.4	2862.3	2856.7	2862.3	2860.1
27.5°	2779.5	2781.6	2773.5	2779.5	2780.7
30°	2688.2	2694.1	2682.7	2687.3	2688.2
32.5°	2590.1	2593.5	2585.5	2586.7	2592.7
35°	2487.4	2488.7	2484.0	2486.1	2486.1
37.5°	2376.6	2381.3	2374.0	2377.4	2372.8
40°	2266.6	2262.0	2259.4	2262.0	2265.4
42.5°	2150.7	2152.0	2148.6	2146.1	2140.5
45°	2029.3	2036.5	2023.4	2025.9	2025.9
47.5°	1910.4	1911.3	1904.5	1897.3	1892.6
50°	1783.1	1783.1	1774.6	1769.1	1761.8
52.5°	1643.8	1641.7	1632.4	1626.4	1629.8
55°	1497.8	1496.5	1480.4	1474.4	1475.7
57.5°	1337.7	1340.3	1315.7	1309.7	1309.7
60°	1184.9	1173.0	1145.0	1136.9	1147.1
62.5°	1024.4	1010.4	980.3	980.3	988.3
65°	879.7	866.9	835.5	827.0	834.2
67.5°	744.2	732.3	703.5	698.8	700.9
70°	615.6	605.4	587.6	577.0	580.8
72.5°	504.8	495.4	483.6	475.5	470.8
75°	402.9	400.8	388.0	384.2	379.5
77.5°	318.8	318.0	307.4	302.7	298.0
80°	239.4	238.2	236.0	228.8	225.4
82.5°	170.7	170.7	169.4	163.4	160.1
85°	99.3	102.7	102.7	96.8	96.8
87.5°	39.9	42.0	39.9	39.9	38.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)