

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: P1050636

Luminaire Tested: 24PTR-60-PC3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050636
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-PC3-L835-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

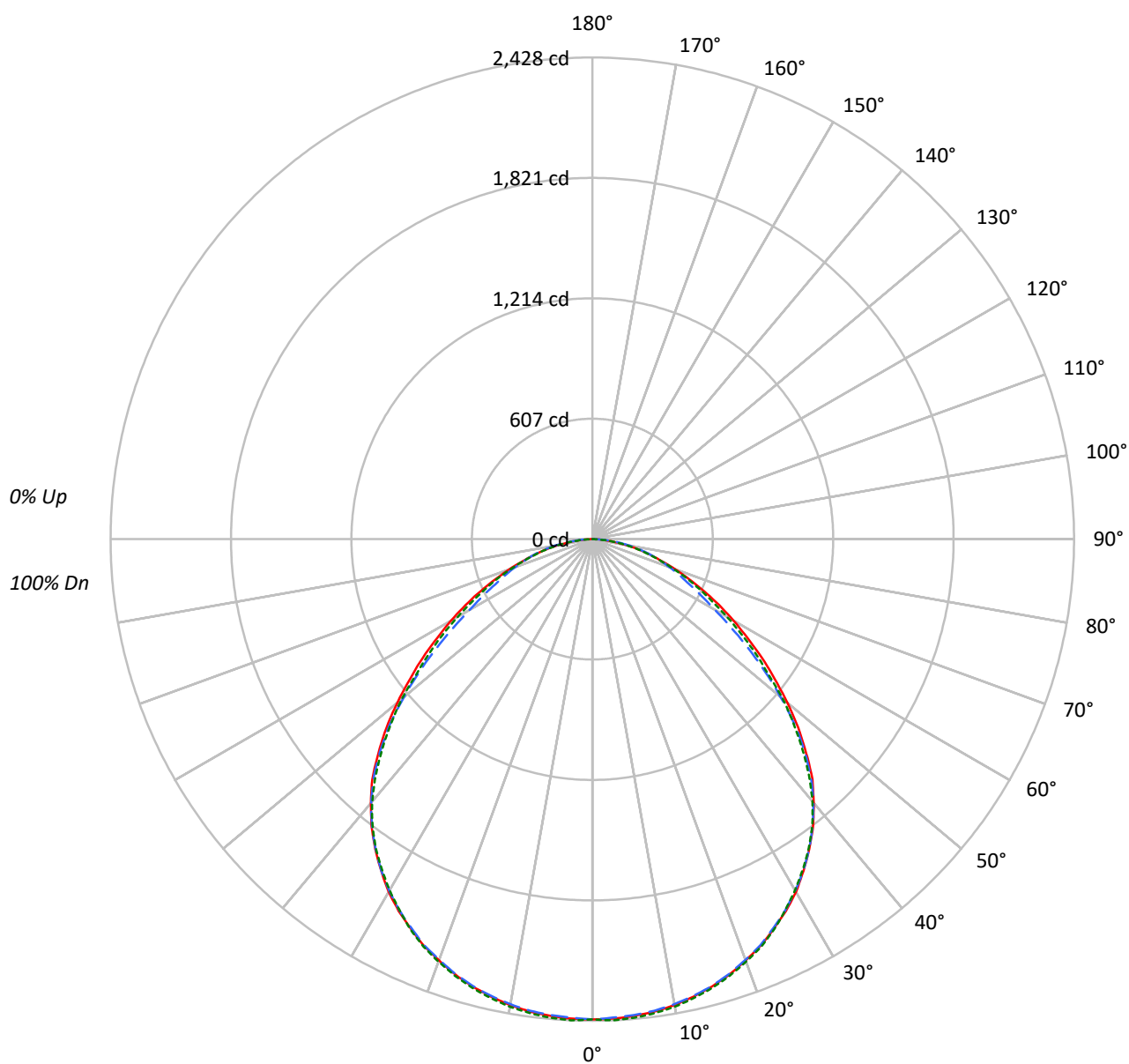
Lumens per Lamp: N/A
Luminaire Lumens: 6104.2 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51
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

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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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	87	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	72
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3258	3258	3258
5°	3259	3253	3271
10°	3258	3252	3270
15°	3251	3247	3262
20°	3236	3231	3245
25°	3214	3209	3222
30°	3190	3180	3174
35°	3132	3129	3124
40°	3049	3045	3031
45°	2900	2879	2849
50°	2685	2594	2623
55°	2450	2251	2352
60°	2209	1920	2106
65°	1975	1718	1894
70°	1751	1625	1703
75°	1549	1575	1518
80°	1336	1504	1329
85°	1000	1190	1000

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2907 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.6	3.8
10°-20°	659.2	10.8
20°-30°	998.0	16.3
30°-40°	1189.8	19.5
40°-50°	1162.6	19.0
50°-60°	889.0	14.6
60°-70°	570.8	9.4
70°-80°	317.5	5.2
80°-90°	87.7	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°	1886.8	30.9
0°-40°	3076.6	50.4
0°-60°	5128.2	84.0
0°-90°	6104.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6104.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2421	2421	2421	2421	2421	
5°	2413	2414	2408	2420	2422	229
15°	2334	2336	2331	2339	2342	659
25°	2165	2168	2162	2169	2170	999
35°	1907	1909	1905	1904	1902	1191
45°	1524	1528	1513	1509	1497	1173
55°	1044	1008	960	972	1003	933
65°	620	572	540	558	595	618
75°	298	300	303	299	292	318
85°	65	76	77	75	65	80
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2421.2	2421.2	2421.2	2421.2	2421.2
2.5°	2419.6	2420.6	2414.3	2424.7	2428.1
5°	2412.7	2414.3	2408.3	2419.6	2422.2
7.5°	2402.3	2403.9	2397.9	2409.3	2410.2
10°	2385.0	2386.0	2380.6	2392.0	2393.5
12.5°	2361.8	2364.3	2358.3	2368.7	2369.3
15°	2333.7	2335.6	2331.2	2339.1	2341.6
17.5°	2301.0	2302.0	2297.6	2306.1	2307.0
20°	2260.1	2260.1	2256.7	2266.4	2266.4
22.5°	2218.6	2216.1	2215.1	2218.6	2223.9
25°	2165.1	2167.6	2161.6	2168.6	2170.1
27.5°	2113.2	2113.2	2107.8	2111.3	2106.9
30°	2053.4	2049.9	2046.5	2047.1	2043.0
32.5°	1981.3	1981.3	1979.8	1979.8	1974.4
35°	1907.1	1908.7	1905.2	1904.3	1901.7
37.5°	1827.2	1830.0	1823.7	1822.1	1820.2
40°	1736.2	1736.2	1733.7	1730.3	1725.8
42.5°	1641.8	1641.8	1630.8	1622.0	1616.0
45°	1524.2	1527.6	1512.8	1509.4	1497.4
47.5°	1407.1	1404.6	1384.8	1382.3	1375.3
50°	1282.5	1267.7	1239.4	1247.0	1253.2
52.5°	1157.9	1139.7	1098.1	1106.6	1117.0
55°	1044.3	1008.1	959.7	971.6	1002.8
57.5°	925.7	877.2	828.8	851.4	890.1
60°	820.9	766.5	713.6	737.9	782.8
62.5°	720.5	662.7	620.2	643.5	681.5
65°	620.2	572.3	539.6	557.6	595.0
67.5°	528.3	496.2	473.9	482.4	512.6
70°	445.2	425.1	413.1	415.7	433.0
72.5°	366.3	361.2	356.8	356.8	358.4
75°	298.0	300.5	303.0	298.9	292.0
77.5°	234.7	243.2	249.5	240.7	232.2
80°	172.4	186.3	194.1	184.4	171.5
82.5°	117.7	133.4	135.9	129.9	115.2
85°	64.8	76.1	77.1	74.6	64.8
87.5°	24.2	28.6	31.2	28.6	25.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)