

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: P1471844

Luminaire Tested: 24PTR-65S-PC3-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-65S-PC3-L835-UNV-STD-W
Description: 6500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PC3 Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

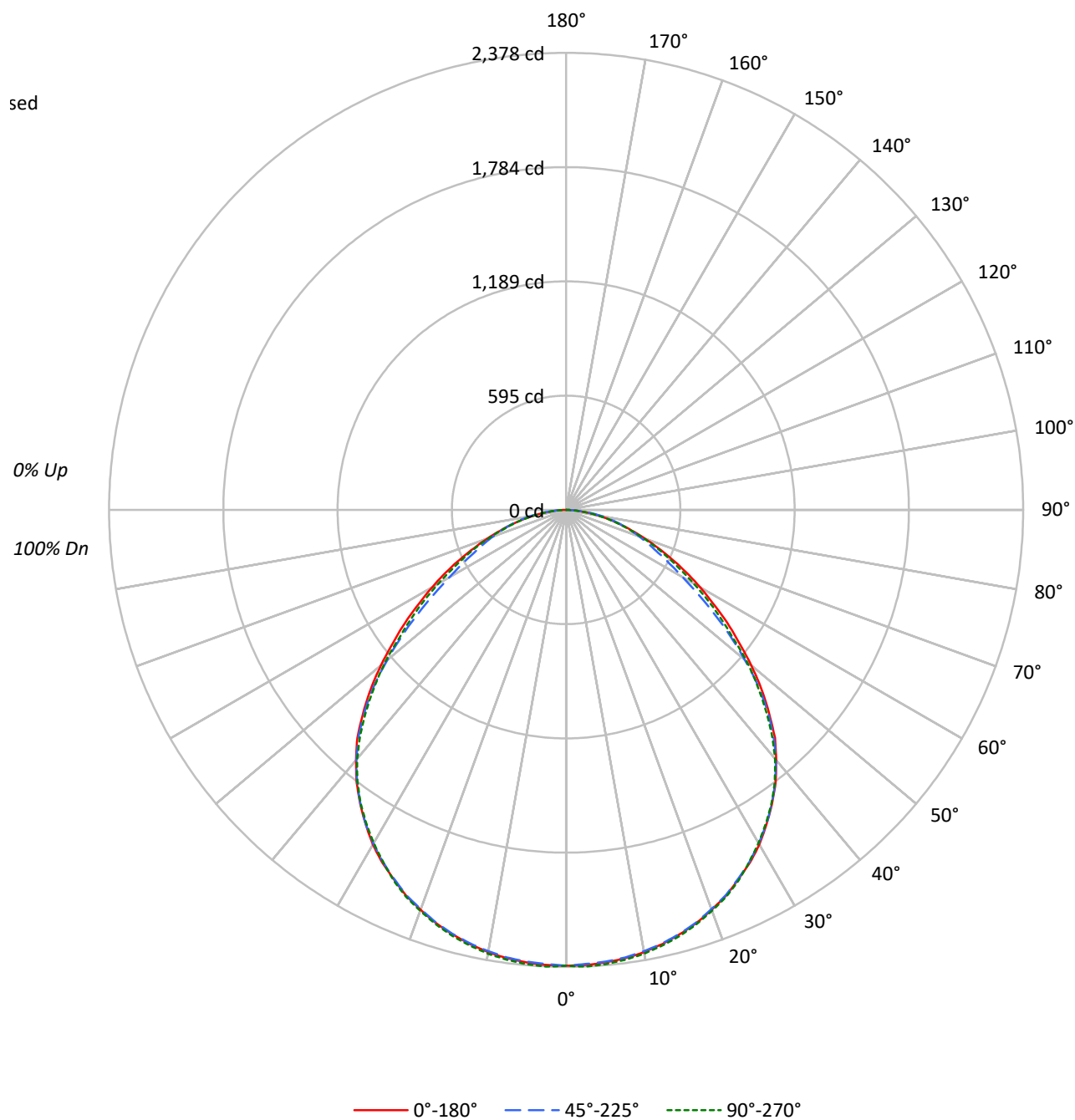
Lumens per Lamp: N/A
Luminaire Lumens: 5979.1 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	50	30	0
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°	3191	3191	3191
5°	3192	3186	3204
10°	3192	3186	3203
15°	3184	3181	3195
20°	3170	3165	3179
25°	3148	3143	3156
30°	3125	3114	3109
35°	3068	3065	3060
40°	2987	2983	2969
45°	2841	2820	2791
50°	2629	2541	2570
55°	2400	2205	2304
60°	2164	1881	2063
65°	1934	1683	1855
70°	1716	1592	1668
75°	1517	1543	1487
80°	1309	1474	1302
85°	980	1166	980

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2847 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.9	3.8
10°-20°	645.7	10.8
20°-30°	977.5	16.3
30°-40°	1165.5	19.5
40°-50°	1138.8	19.0
50°-60°	870.8	14.6
60°-70°	559.1	9.4
70°-80°	311.0	5.2
80°-90°	85.9	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°	1848.1	30.9
0°-40°	3013.6	50.4
0°-60°	5023.1	84.0
0°-90°	5979.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5979.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2372	2372	2372	2372	2372	
5°	2363	2365	2359	2370	2372	225
15°	2286	2288	2284	2291	2294	645
25°	2121	2123	2117	2124	2126	978
35°	1868	1870	1866	1865	1863	1167
45°	1493	1496	1482	1478	1467	1149
55°	1023	988	940	952	982	914
65°	608	561	529	546	583	606
75°	292	294	297	293	286	312
85°	64	75	76	73	64	78
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2371.6	2371.6	2371.6	2371.6	2371.6
2.5°	2370.1	2371.0	2364.8	2375.0	2378.4
5°	2363.3	2364.8	2359.0	2370.1	2372.5
7.5°	2353.1	2354.7	2348.8	2359.9	2360.8
10°	2336.2	2337.1	2331.8	2342.9	2344.5
12.5°	2313.4	2315.8	2310.0	2320.1	2320.7
15°	2285.9	2287.8	2283.5	2291.2	2293.6
17.5°	2253.9	2254.8	2250.5	2258.8	2259.7
20°	2213.8	2213.8	2210.4	2220.0	2220.0
22.5°	2173.1	2170.7	2169.7	2173.1	2178.4
25°	2120.7	2123.2	2117.3	2124.1	2125.7
27.5°	2069.9	2069.9	2064.6	2068.0	2063.7
30°	2011.3	2007.9	2004.5	2005.2	2001.1
32.5°	1940.7	1940.7	1939.2	1939.2	1934.0
35°	1868.0	1869.5	1866.2	1865.2	1862.8
37.5°	1789.7	1792.5	1786.3	1784.8	1782.9
40°	1700.6	1700.6	1698.2	1694.8	1690.5
42.5°	1608.2	1608.2	1597.4	1588.8	1582.9
45°	1492.9	1496.3	1481.8	1478.4	1466.7
47.5°	1378.3	1375.8	1356.4	1353.9	1347.1
50°	1256.2	1241.7	1214.0	1221.4	1227.6
52.5°	1134.2	1116.3	1075.6	1083.9	1094.1
55°	1022.9	987.5	940.0	951.7	982.2
57.5°	906.7	859.3	811.8	834.0	871.9
60°	804.1	750.8	699.0	722.7	766.8
62.5°	705.8	649.1	607.5	630.3	667.6
65°	607.5	560.6	528.6	546.1	582.8
67.5°	517.5	486.0	464.1	472.5	502.1
70°	436.1	416.4	404.7	407.1	424.1
72.5°	358.7	353.8	349.5	349.5	351.0
75°	291.9	294.3	296.8	292.8	286.0
77.5°	229.9	238.2	244.4	235.8	227.5
80°	168.9	182.5	190.2	180.6	168.0
82.5°	115.3	130.7	133.1	127.3	112.8
85°	63.5	74.6	75.5	73.0	63.5
87.5°	23.7	28.0	30.5	28.0	24.7
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	14.5	16.1	14.9	16.4	16.7	14.3	15.8	14.6	16.1	16.5
	3H	15.9	17.3	16.3	17.7	18.0	15.7	17.1	16.1	17.5	17.8
	4H	16.5	17.8	16.9	18.1	18.5	16.3	17.6	16.7	17.9	18.3
	6H	16.9	18.1	17.3	18.5	18.8	16.7	17.9	17.1	18.3	18.7
	8H	17.0	18.1	17.4	18.5	18.9	16.8	18.0	17.2	18.4	18.8
	12H	17.0	18.2	17.5	18.5	19.0	16.9	18.0	17.3	18.4	18.8
4H	2H	14.9	16.2	15.3	16.5	16.9	14.7	16.0	15.1	16.4	16.7
	3H	16.6	17.7	17.0	18.1	18.5	16.4	17.5	16.8	17.9	18.3
	4H	17.3	18.2	17.7	18.7	19.1	17.1	18.1	17.5	18.5	18.9
	6H	17.8	18.7	18.3	19.1	19.6	17.7	18.5	18.1	19.0	19.4
	8H	18.0	18.8	18.4	19.2	19.7	17.8	18.6	18.3	19.1	19.5
	12H	18.1	18.8	18.6	19.3	19.7	17.9	18.7	18.4	19.1	19.6
8H	4H	17.5	18.3	18.0	18.8	19.2	17.4	18.2	17.8	18.6	19.1
	6H	18.2	18.9	18.7	19.4	19.8	18.1	18.7	18.6	19.2	19.7
	8H	18.4	19.0	19.0	19.5	20.0	18.3	18.9	18.8	19.4	19.9
	12H	18.6	19.1	19.1	19.6	20.2	18.5	19.0	19.0	19.5	20.1
12H	4H	17.5	18.3	18.0	18.7	19.2	17.4	18.1	17.9	18.6	19.1
	6H	18.3	18.9	18.8	19.3	19.9	18.1	18.7	18.7	19.2	19.7
	8H	18.5	19.1	19.1	19.6	20.1	18.4	19.0	18.9	19.5	20.0

(END OF REPORT)