

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: P1050411

Luminaire Tested: PTR-14-60-PR1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050411
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-60-PR1-L840-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

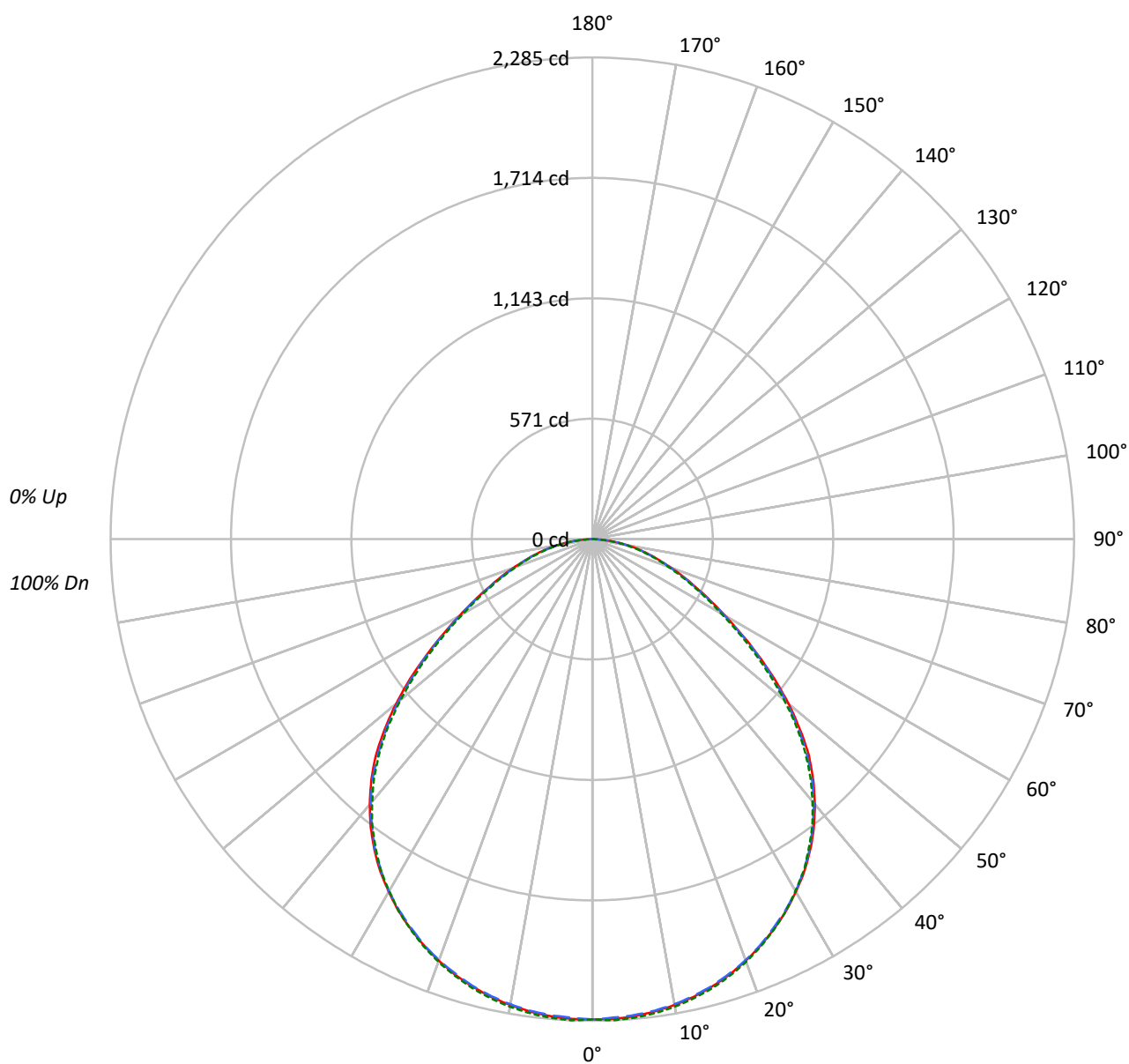
Lumens per Lamp: N/A
Luminaire Lumens: 5762.7 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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: P1050411

CATALOG NUMBER: PTR-14-60-PR1-L840-UNV-STD-W

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	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6132	6132	6132
5°	6138	6124	6158
10°	6132	6122	6155
15°	6121	6112	6141
20°	6095	6088	6112
25°	6056	6041	6063
30°	6002	5994	5987
35°	5919	5906	5881
40°	5770	5747	5706
45°	5529	5467	5427
50°	5087	5030	4968
55°	4503	4483	4395
60°	3913	3898	3793
65°	3449	3428	3359
70°	3128	3084	3021
75°	2897	2829	2777
80°	2644	2608	2520
85°	2090	2072	1988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5529 cd/sqm

TEST NUMBER: P1050411

CATALOG NUMBER: PTR-14-60-PR1-L840-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.1	3.8
10°-20°	620.4	10.8
20°-30°	939.9	16.3
30°-40°	1122.0	19.5
40°-50°	1103.4	19.1
50°-60°	852.8	14.8
60°-70°	537.8	9.3
70°-80°	290.9	5.0
80°-90°	79.5	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°	1776.4	30.8
0°-40°	2898.4	50.3
0°-60°	4854.6	84.2
0°-90°	5762.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5762.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2279	2279	2279	2279	2279	
5°	2272	2273	2267	2277	2280	216
15°	2197	2198	2194	2201	2204	620
25°	2040	2041	2034	2041	2042	940
35°	1802	1802	1798	1795	1790	1125
45°	1453	1447	1436	1425	1426	1113
55°	960	968	956	940	937	861
65°	542	542	538	529	528	545
75°	279	275	272	274	267	296
85°	68	68	67	68	64	81
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2278.7	2278.7	2278.7	2278.7	2278.7
2.5°	2277.8	2278.7	2272.1	2282.8	2285.2
5°	2272.1	2273.0	2267.1	2276.9	2279.6
7.5°	2260.6	2262.3	2256.7	2266.5	2268.9
10°	2244.2	2246.0	2240.4	2250.2	2252.6
12.5°	2224.1	2224.7	2219.9	2228.8	2231.2
15°	2197.1	2197.7	2193.8	2200.9	2204.2
17.5°	2165.9	2166.8	2161.2	2170.1	2171.5
20°	2128.5	2129.1	2125.8	2133.3	2134.2
22.5°	2086.7	2088.5	2083.4	2089.9	2090.8
25°	2039.5	2041.0	2034.5	2041.0	2041.9
27.5°	1989.6	1990.2	1984.6	1989.6	1988.8
30°	1931.5	1936.5	1929.1	1927.3	1926.7
32.5°	1871.2	1871.8	1864.7	1862.9	1866.2
35°	1801.8	1802.4	1797.7	1795.3	1790.2
37.5°	1725.8	1725.8	1716.6	1715.2	1714.3
40°	1642.5	1641.6	1635.9	1630.3	1624.4
42.5°	1551.7	1553.4	1541.9	1532.1	1530.6
45°	1452.8	1447.2	1436.5	1425.2	1426.1
47.5°	1336.2	1337.7	1323.2	1314.0	1311.6
50°	1215.2	1215.2	1201.5	1191.7	1186.7
52.5°	1088.7	1089.6	1076.6	1063.5	1060.8
55°	959.7	967.7	955.5	940.1	936.8
57.5°	838.9	845.4	833.8	817.5	816.6
60°	727.0	727.6	724.3	708.9	704.8
62.5°	631.5	627.3	625.5	617.5	612.5
65°	541.6	542.4	538.3	529.1	527.6
67.5°	468.8	468.0	460.5	454.9	451.6
70°	397.6	395.3	392.0	387.2	384.0
72.5°	334.1	334.1	331.5	330.0	324.3
75°	278.6	275.4	272.1	273.6	267.1
77.5°	225.5	222.3	219.6	216.3	214.8
80°	170.6	167.4	168.3	163.2	162.6
82.5°	118.4	118.4	116.9	112.8	113.7
85°	67.7	68.5	67.1	67.7	64.4
87.5°	24.6	25.2	27.0	25.2	25.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)