

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P737729

Luminaire Tested: **14PT-20-PP3-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737729
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-20-PP3-L840
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

Summary

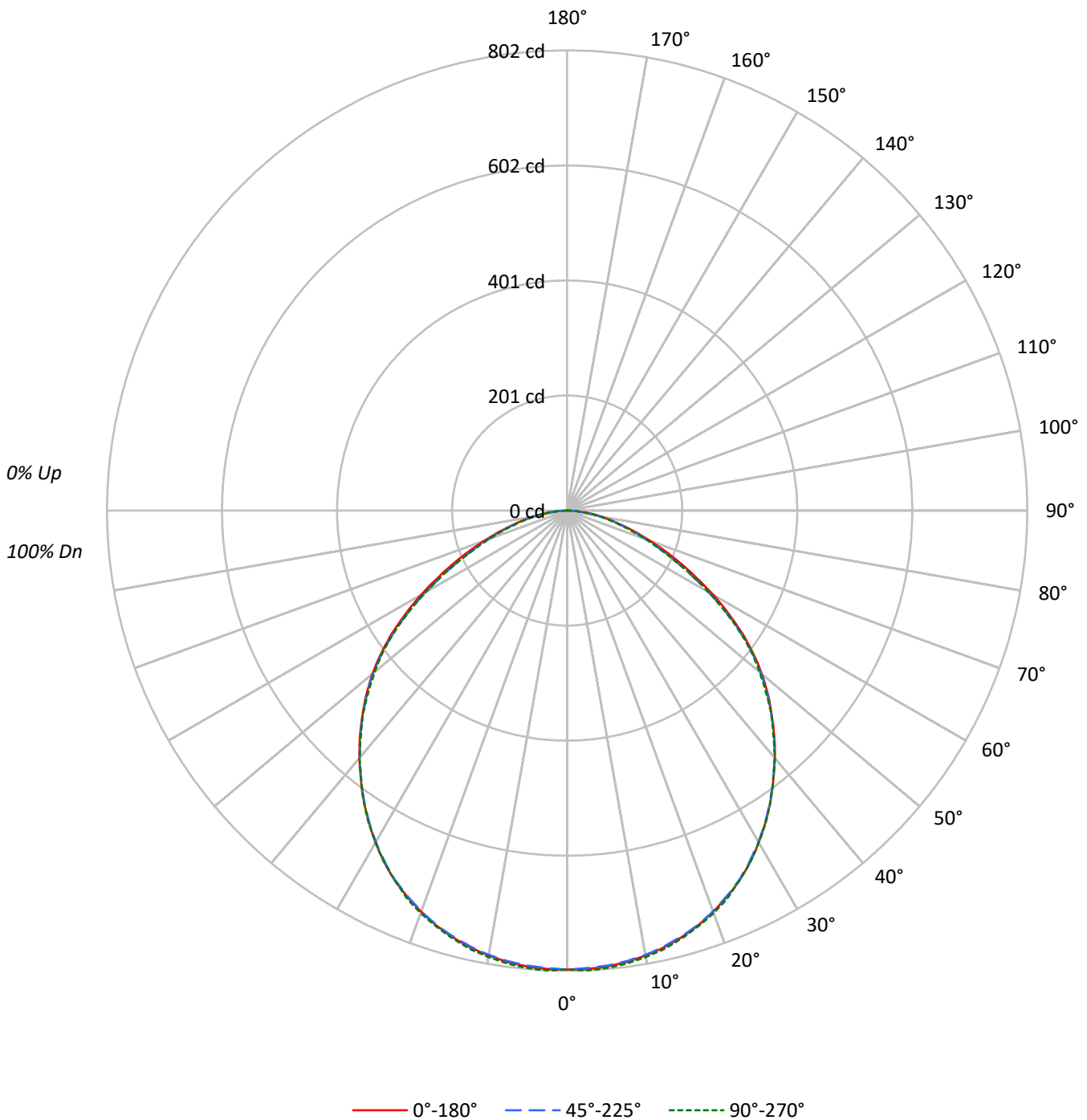
Lumens per Lamp: N/A
Luminaire Lumens: 2067.0 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 16.2
Input Voltage (V): NR
Input Current (A_{in}): 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: 25 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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
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°	2398	2398	2398
5°	2400	2395	2409
10°	2397	2394	2405
15°	2389	2385	2396
20°	2373	2372	2382
25°	2352	2349	2351
30°	2313	2308	2313
35°	2263	2259	2261
40°	2205	2198	2203
45°	2139	2132	2135
50°	2067	2057	2042
55°	1946	1923	1917
60°	1765	1707	1710
65°	1551	1473	1471
70°	1341	1281	1265
75°	1161	1117	1093
80°	1027	1013	967
85°	850	881	829



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.9	3.7
10°-20°	217.3	10.5
20°-30°	327.2	15.8
30°-40°	386.2	18.7
40°-50°	388.4	18.8
50°-60°	327.9	15.9
60°-70°	210.6	10.2
70°-80°	104.7	5.1
80°-90°	28.7	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°	620.4	30.0
0°-40°	1006.6	48.7
0°-60°	1723.0	83.4
0°-90°	2067.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2067.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	800	800	800	800	800	
5°	798	798	796	800	800	76
15°	770	770	768	772	772	217
25°	711	711	710	711	711	327
35°	618	618	617	618	618	386
45°	504	506	503	504	504	389
55°	372	372	368	366	367	331
65°	219	216	208	206	207	218
75°	100	100	96	96	94	108
85°	25	26	26	24	24	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	800.0	800.0	800.0	800.0	800.0
2.5°	799.7	800.0	797.9	801.7	802.3
5°	797.6	797.9	795.9	799.7	800.3
7.5°	793.6	793.9	792.1	795.6	796.2
10°	787.5	788.4	786.3	789.5	790.1
12.5°	779.9	780.2	778.2	782.0	782.6
15°	769.8	770.1	768.3	771.8	771.8
17.5°	758.2	758.4	757.3	760.2	759.9
20°	743.9	744.8	743.4	745.4	746.5
22.5°	728.5	728.8	727.1	729.7	730.9
25°	711.1	711.4	710.0	711.4	710.8
27.5°	690.8	691.4	689.3	690.8	691.1
30°	668.1	669.6	666.7	667.9	668.1
32.5°	643.8	644.6	642.6	642.9	644.3
35°	618.2	618.5	617.3	617.9	617.9
37.5°	590.6	591.8	590.0	590.9	589.7
40°	563.3	562.2	561.6	562.2	563.0
42.5°	534.6	534.9	534.0	533.4	532.0
45°	504.4	506.1	502.9	503.5	503.5
47.5°	474.8	475.0	473.3	471.6	470.4
50°	443.1	443.1	441.1	439.6	437.9
52.5°	408.6	408.0	405.6	404.2	405.1
55°	372.3	372.0	367.9	366.4	366.7
57.5°	332.5	333.1	327.0	325.5	325.5
60°	294.4	291.5	284.6	282.5	285.1
62.5°	254.7	251.2	243.6	243.6	245.7
65°	218.6	215.5	207.6	205.6	207.3
67.5°	185.0	182.1	174.8	173.6	174.2
70°	153.0	150.4	146.1	143.4	144.3
72.5°	125.4	123.1	120.2	118.2	117.0
75°	100.2	99.6	96.4	95.5	94.4
77.5°	79.3	79.0	76.4	75.2	74.0
80°	59.5	59.2	58.7	56.9	56.0
82.5°	42.4	42.4	42.1	40.7	39.8
85°	24.7	25.6	25.6	24.1	24.1
87.5°	9.9	10.5	9.9	9.9	9.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)