

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: P738065

Luminaire Tested: **22PT-20-PR1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738065
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506224)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PR1-L840
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

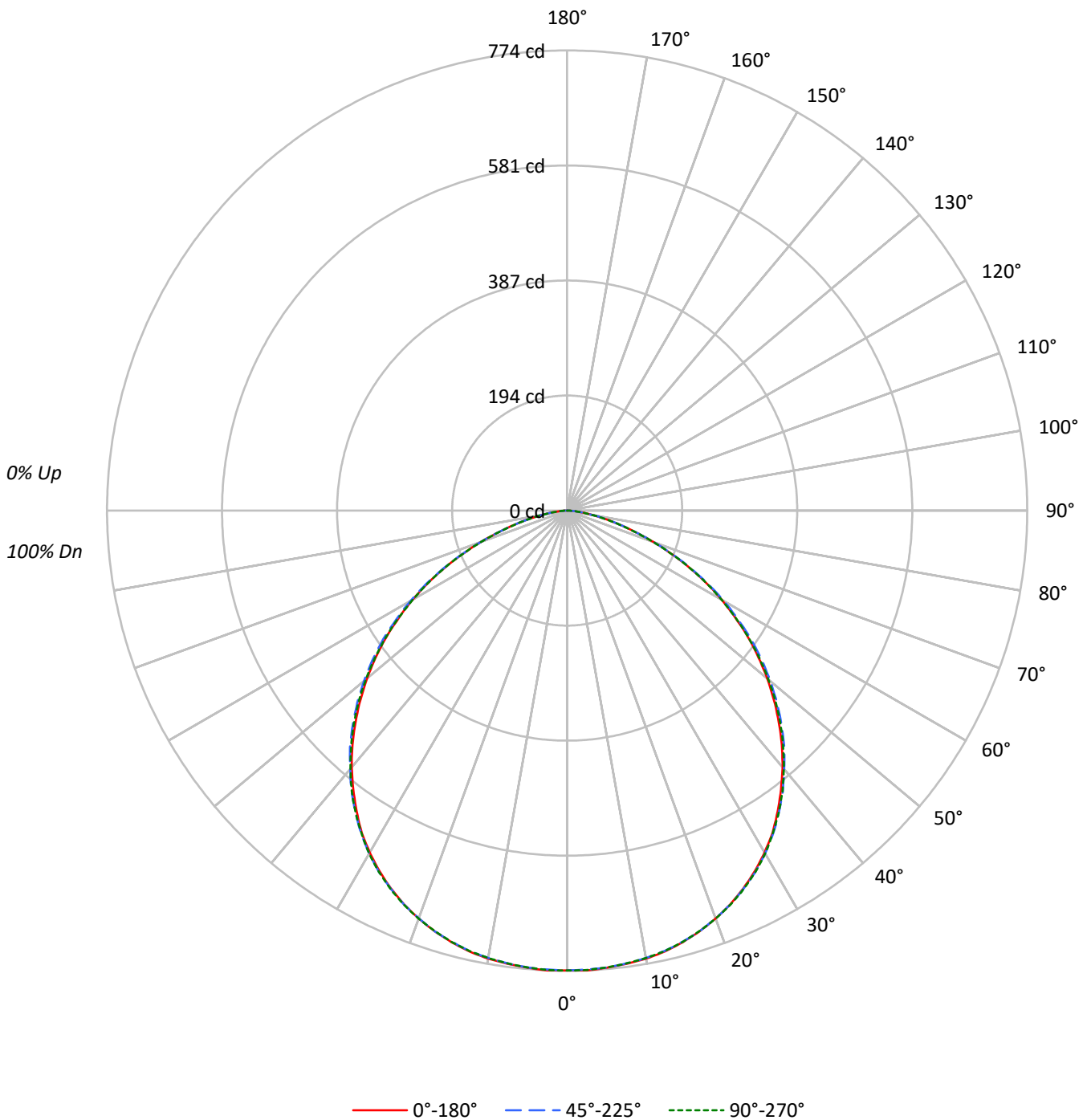
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2067.0 lumens
Efficiency: N/A
Efficacy: 139.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 14.8
Input Voltage (V): NR
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: 25 FT

TEST NUMBER: P738065
CATALOG NUMBER: 22PT-20-PR1-L840

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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
2	100	92	86	80	98	90	85	80	87	82	78	84	80	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	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2266	2266	2266
5°	2270	2268	2268
10°	2277	2274	2274
15°	2280	2277	2278
20°	2277	2276	2277
25°	2267	2269	2271
30°	2247	2253	2254
35°	2208	2221	2219
40°	2157	2172	2169
45°	2086	2113	2102
50°	2002	2032	2016
55°	1900	1930	1903
60°	1761	1786	1755
65°	1572	1588	1570
70°	1322	1322	1313
75°	1036	1036	1025
80°	759	749	746
85°	494	494	504



TEST NUMBER: P738065

CATALOG NUMBER: 22PT-20-PR1-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.4	3.6
10°-20°	212.0	10.3
20°-30°	323.3	15.6
30°-40°	387.5	18.7
40°-50°	391.4	18.9
50°-60°	334.8	16.2
60°-70°	225.8	10.9
70°-80°	99.6	4.8
80°-90°	19.1	0.9
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°	608.7	29.4
0°-40°	996.2	48.2
0°-60°	1722.4	83.3
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°	774	774	774	774	774	
5°	772	771	771	771	771	73
15°	752	751	751	750	751	212
25°	701	702	702	702	702	323
35°	617	621	621	620	620	386
45°	504	507	510	509	507	388
55°	372	375	378	377	372	331
65°	227	228	229	228	226	224
75°	92	92	92	92	90	100
85°	15	15	15	15	15	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	773.5	773.5	773.5	773.5	773.5
2.5°	774.1	773.0	772.7	772.5	773.5
5°	771.7	770.7	771.2	770.7	771.2
7.5°	768.9	767.9	768.2	767.6	768.2
10°	765.3	764.2	764.2	763.7	764.2
12.5°	759.6	758.8	758.5	758.0	758.8
15°	751.5	751.3	750.8	750.5	751.0
17.5°	741.8	741.3	741.8	741.0	741.5
20°	730.1	730.4	729.9	730.1	730.4
22.5°	716.9	716.9	717.2	717.2	717.7
25°	701.2	701.9	701.9	701.9	702.5
27.5°	683.6	684.7	685.4	684.9	685.4
30°	664.0	665.8	666.0	665.8	666.3
32.5°	642.8	644.1	644.8	644.3	643.8
35°	617.4	621.0	620.8	620.2	620.5
37.5°	590.8	594.5	595.7	594.7	595.0
40°	563.9	567.1	567.8	568.1	567.1
42.5°	534.2	537.8	540.7	539.4	537.8
45°	503.5	507.3	509.9	509.1	507.3
47.5°	471.7	475.3	478.9	477.6	475.8
50°	439.1	442.7	445.8	445.3	442.2
52.5°	405.8	409.9	412.7	411.7	407.6
55°	371.9	375.3	377.8	377.3	372.5
57.5°	335.2	339.6	340.9	340.1	336.5
60°	300.5	303.5	304.7	303.7	299.5
62.5°	263.6	265.9	267.0	266.7	263.9
65°	226.7	228.5	229.0	228.5	226.4
67.5°	188.7	191.3	191.5	191.5	189.4
70°	154.3	155.0	154.3	156.4	153.3
72.5°	120.9	121.5	120.9	120.9	119.6
75°	91.5	91.7	91.5	91.7	90.5
77.5°	66.2	66.7	65.6	66.4	65.1
80°	45.0	45.0	44.4	44.7	44.2
82.5°	27.9	28.4	27.7	27.7	27.4
85°	14.7	14.7	14.7	15.0	15.0
87.5°	5.2	5.2	5.4	5.4	5.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)