

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: P738033

Luminaire Tested: **22PT-20-PB1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738033
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PB1-L840
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

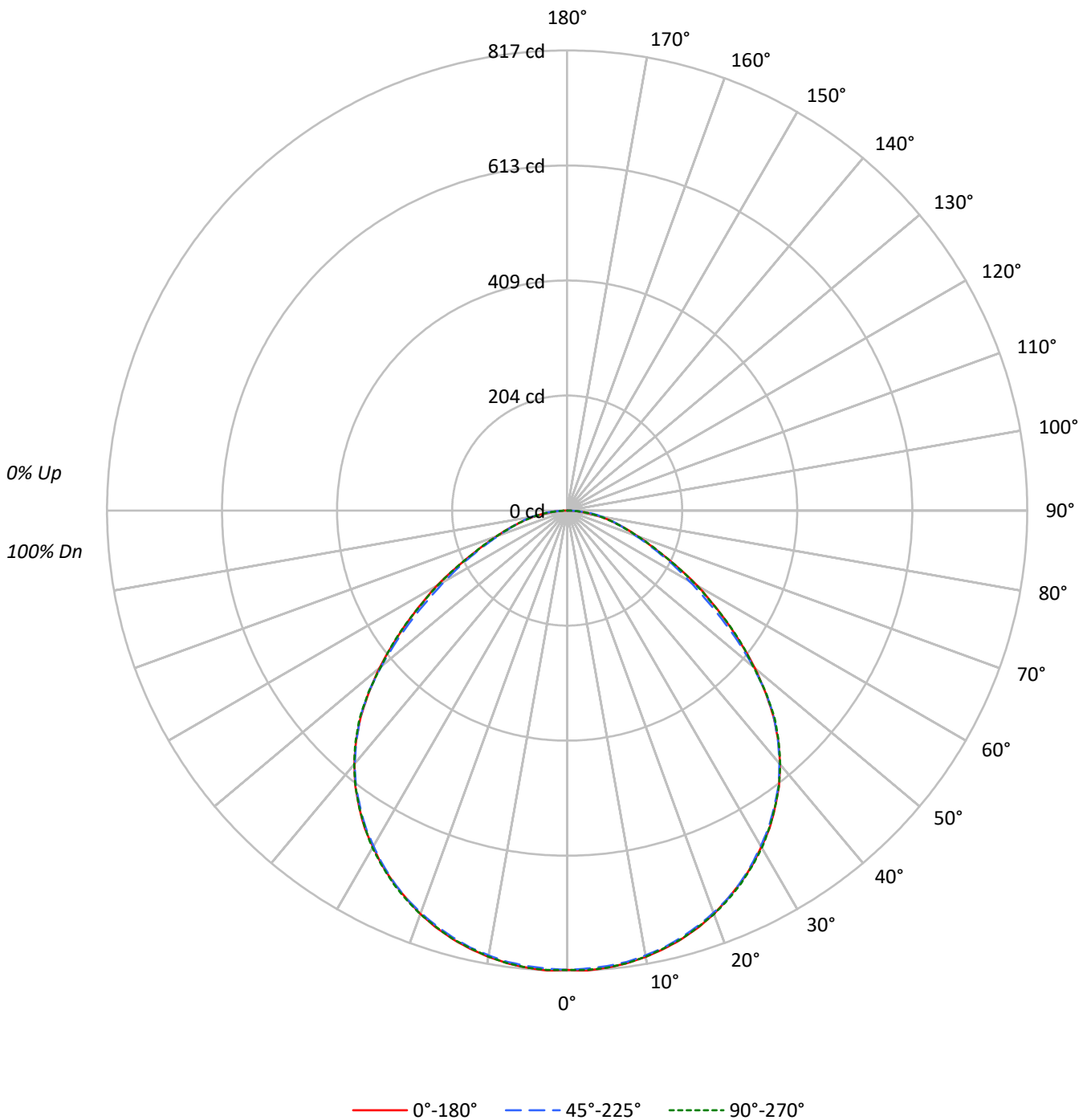
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2056.0 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
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 (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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86
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	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	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	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2389	2389	2389
5°	2396	2388	2396
10°	2394	2386	2393
15°	2388	2379	2387
20°	2376	2369	2377
25°	2357	2355	2362
30°	2333	2327	2340
35°	2301	2293	2301
40°	2248	2243	2251
45°	2147	2151	2159
50°	1982	1966	1969
55°	1771	1712	1778
60°	1563	1469	1554
65°	1310	1269	1310
70°	1136	1104	1142
75°	1036	1051	1036
80°	974	1058	979
85°	847	1035	871



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.3	3.8
10°-20°	221.7	10.8
20°-30°	335.8	16.3
30°-40°	401.6	19.5
40°-50°	397.6	19.3
50°-60°	305.7	14.9
60°-70°	186.2	9.1
70°-80°	98.5	4.8
80°-90°	31.6	1.5
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°	634.8	30.9
0°-40°	1036.4	50.4
0°-60°	1739.7	84.6
0°-90°	2056.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2056.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	816	816	816	816	816	
5°	814	814	812	813	814	77
15°	787	786	784	786	787	222
25°	729	728	728	729	731	336
35°	643	643	641	643	643	402
45°	518	518	519	519	521	397
55°	347	342	335	341	348	311
65°	189	184	183	183	189	191
75°	92	92	93	92	92	98
85°	25	29	31	29	26	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	815.5	815.5	815.5	815.5	815.5
2.5°	817.4	816.1	813.8	815.5	816.4
5°	814.5	814.1	811.8	813.1	814.5
7.5°	810.8	809.8	808.2	809.5	810.5
10°	804.5	803.9	801.9	803.5	804.2
12.5°	796.6	795.9	794.6	795.9	795.6
15°	787.3	786.0	784.3	786.0	786.9
17.5°	775.7	774.4	773.0	774.0	774.7
20°	762.1	760.1	759.8	761.1	762.4
22.5°	745.8	745.8	745.5	746.5	747.2
25°	728.9	728.3	728.3	729.3	730.6
27.5°	710.7	709.4	708.7	710.4	711.4
30°	689.5	689.2	687.8	690.5	691.5
32.5°	668.9	665.6	666.3	667.6	667.9
35°	643.4	642.8	641.1	643.1	643.4
37.5°	617.6	617.2	616.2	616.9	617.2
40°	587.7	587.4	586.4	587.7	588.4
42.5°	554.6	553.9	553.9	554.9	555.9
45°	518.1	518.4	519.1	519.4	521.1
47.5°	477.3	478.0	478.7	478.0	478.3
50°	434.9	434.6	431.3	433.6	431.9
52.5°	390.2	385.2	382.5	387.8	391.5
55°	346.7	342.1	335.1	341.1	348.1
57.5°	305.0	297.0	289.7	296.7	303.6
60°	266.8	254.6	250.6	254.9	265.2
62.5°	226.1	217.5	216.1	216.8	225.7
65°	188.9	184.3	183.0	182.6	188.9
67.5°	158.5	155.5	153.8	155.1	159.1
70°	132.6	131.3	128.9	131.3	133.3
72.5°	111.4	111.0	109.1	111.0	110.4
75°	91.5	91.5	92.8	92.2	91.5
77.5°	74.6	75.2	77.6	75.6	73.6
80°	57.7	59.3	62.7	59.7	58.0
82.5°	41.1	44.8	48.4	44.8	42.4
85°	25.2	28.8	30.8	29.2	25.9
87.5°	10.9	12.9	13.6	12.6	10.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)