

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: P738041

Luminaire Tested: **22PT-20-PC3-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738041
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P413056)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PC3-L840
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

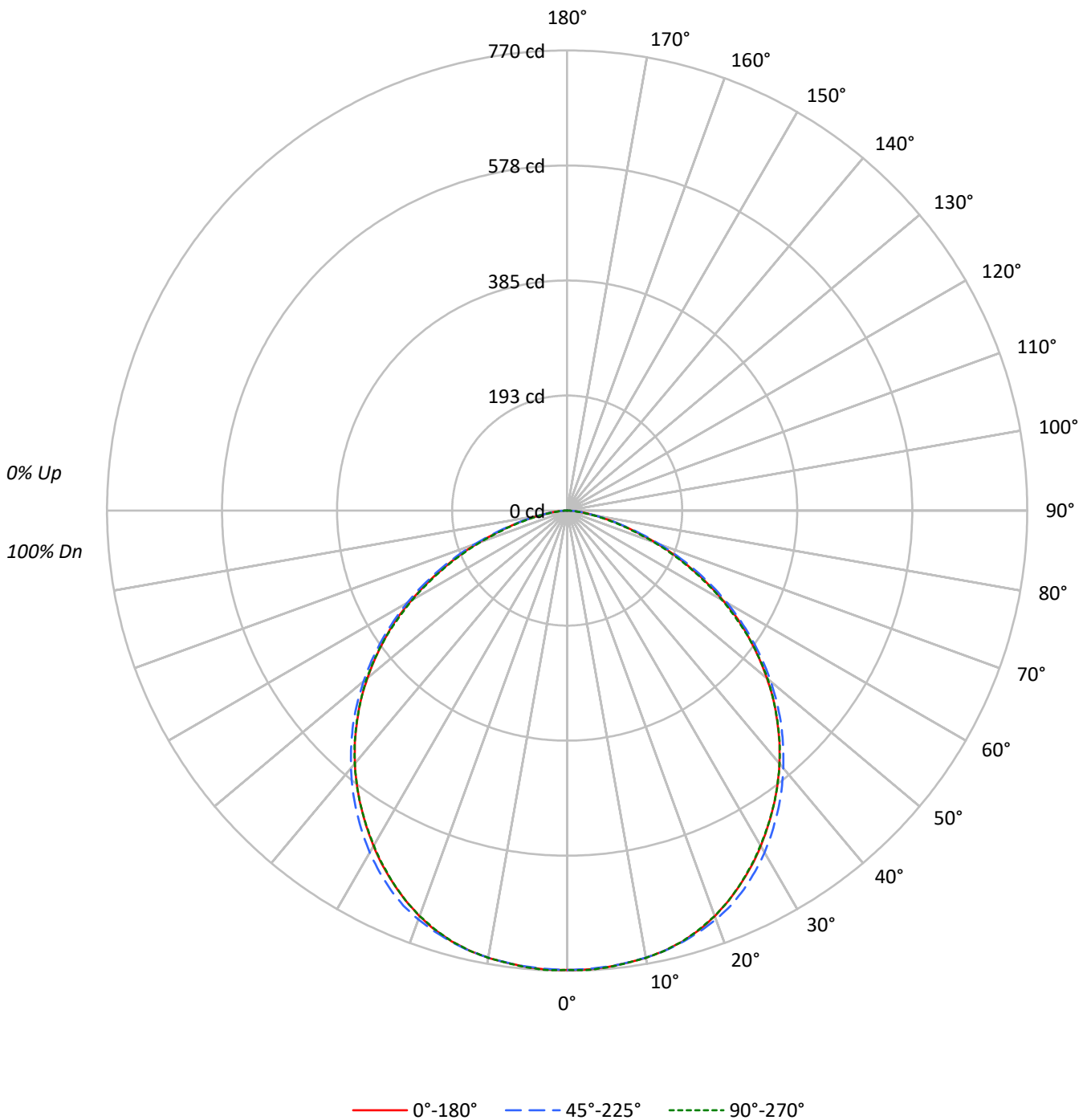
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2065.0 lumens
Efficiency: N/A
Efficacy: 139.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 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

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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	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	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2252	2252	2252
5°	2255	2254	2257
10°	2261	2260	2261
15°	2264	2266	2263
20°	2252	2270	2251
25°	2226	2262	2224
30°	2193	2236	2189
35°	2155	2198	2155
40°	2114	2152	2114
45°	2059	2099	2062
50°	1988	2028	1996
55°	1896	1933	1896
60°	1768	1813	1757
65°	1587	1642	1566
70°	1357	1405	1318
75°	1077	1107	1021
80°	771	801	734
85°	511	524	477



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.9	3.5
10°-20°	210.7	10.2
20°-30°	319.6	15.5
30°-40°	381.7	18.5
40°-50°	388.2	18.8
50°-60°	335.8	16.3
60°-70°	231.1	11.2
70°-80°	104.9	5.1
80°-90°	20.3	1.0
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°	603.2	29.2
0°-40°	984.9	47.7
0°-60°	1708.8	82.8
0°-90°	2065.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2065.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	769	769	769	769	769	
5°	767	766	766	766	767	73
15°	746	747	747	746	746	210
25°	688	695	700	693	688	317
35°	602	613	614	612	602	377
45°	497	506	507	506	498	383
55°	371	378	378	378	371	332
65°	229	235	237	235	226	227
75°	95	99	98	97	90	102
85°	15	16	16	15	14	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	768.7	768.7	768.7	768.7	768.7
2.5°	768.7	767.7	767.9	768.2	769.6
5°	766.7	766.0	766.2	766.2	767.2
7.5°	763.5	763.3	763.3	763.0	763.8
10°	759.9	759.4	759.6	759.4	759.9
12.5°	754.3	754.3	754.5	753.8	754.3
15°	746.2	746.6	747.1	746.0	746.0
17.5°	735.9	737.1	738.3	736.2	734.9
20°	722.2	725.2	728.1	724.6	721.8
22.5°	706.3	711.2	715.6	710.2	706.3
25°	688.5	694.6	699.7	693.4	688.0
27.5°	669.2	676.0	680.9	675.5	668.2
30°	648.2	656.5	660.9	655.7	647.1
32.5°	625.7	635.4	638.1	634.9	625.1
35°	602.4	613.2	614.4	612.2	602.4
37.5°	578.2	588.5	589.5	588.2	578.2
40°	552.8	562.3	562.6	562.6	552.8
42.5°	525.7	534.9	534.9	534.7	526.4
45°	496.8	505.9	506.6	506.1	497.6
47.5°	468.2	475.1	476.2	475.3	467.7
50°	436.2	443.2	444.8	443.7	437.9
52.5°	404.4	411.0	412.4	411.7	405.1
55°	371.2	377.5	378.4	377.7	371.2
57.5°	339.1	343.3	344.2	342.8	334.5
60°	301.7	307.6	309.3	307.6	299.8
62.5°	265.5	271.9	273.4	270.9	262.6
65°	228.9	235.2	236.9	235.0	225.9
67.5°	194.2	198.7	200.3	198.1	189.7
70°	158.4	164.3	164.0	161.1	153.8
72.5°	123.2	131.3	129.8	128.1	120.0
75°	95.1	98.8	97.8	96.8	90.2
77.5°	68.0	72.4	70.0	70.2	64.5
80°	45.7	49.9	47.5	46.4	43.5
82.5°	29.1	30.8	30.3	29.8	27.2
85°	15.2	16.1	15.6	15.2	14.2
87.5°	5.9	6.4	5.9	5.9	5.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)