

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: P738045

Luminaire Tested: **22PT-20-PC3-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738045
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-L940
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

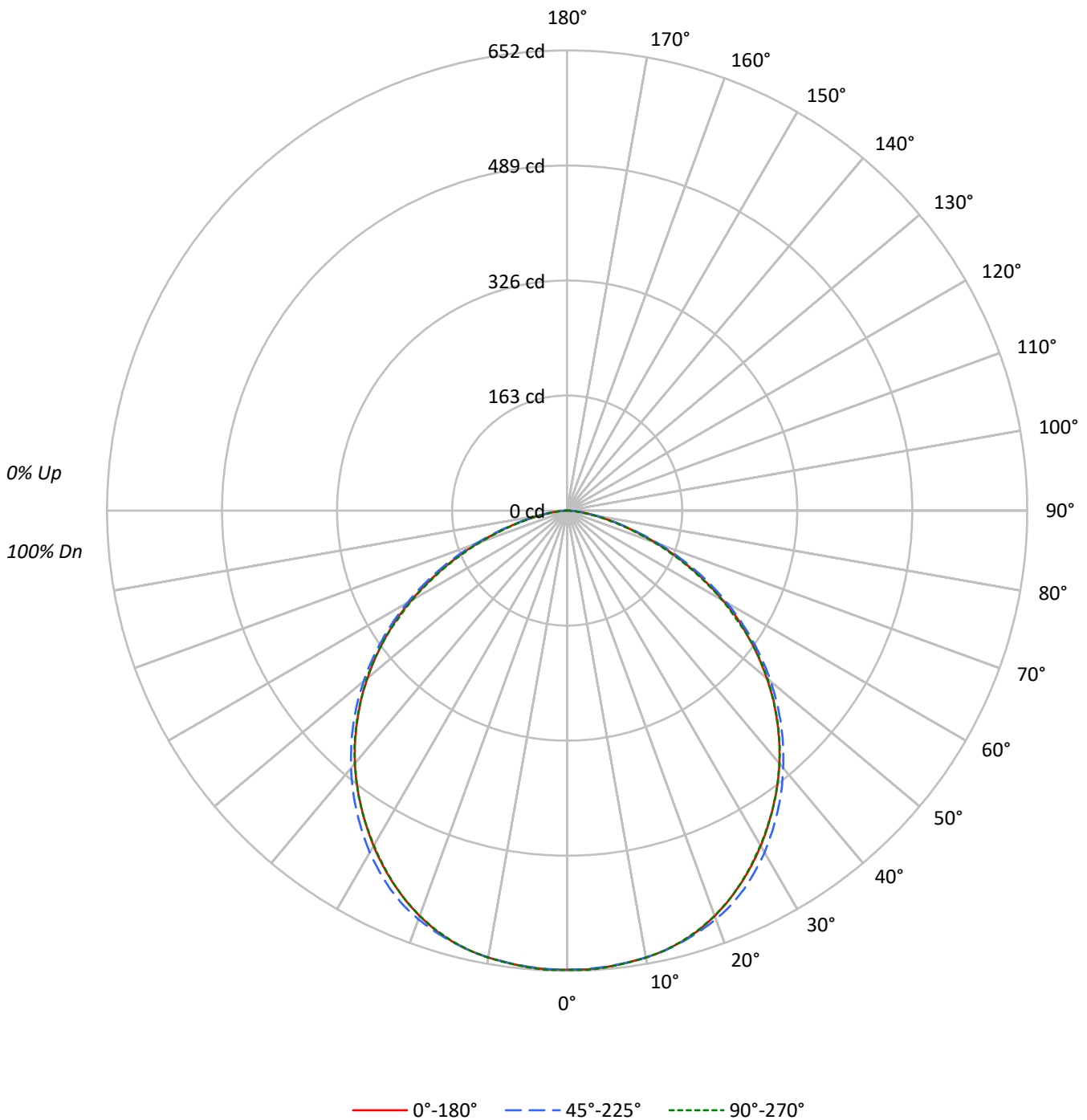
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1748.0 lumens
Efficiency: N/A
Efficacy: 118.1 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°	1907	1907	1907
5°	1909	1908	1910
10°	1914	1913	1914
15°	1916	1918	1915
20°	1906	1922	1905
25°	1884	1915	1883
30°	1856	1893	1853
35°	1824	1860	1824
40°	1790	1821	1790
45°	1742	1777	1745
50°	1683	1716	1690
55°	1605	1636	1605
60°	1497	1534	1487
65°	1343	1390	1326
70°	1149	1190	1115
75°	911	937	864
80°	653	678	623
85°	430	444	403



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	3.5
10°-20°	178.3	10.2
20°-30°	270.5	15.5
30°-40°	323.1	18.5
40°-50°	328.6	18.8
50°-60°	284.2	16.3
60°-70°	195.6	11.2
70°-80°	88.8	5.1
80°-90°	17.2	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°	510.6	29.2
0°-40°	833.7	47.7
0°-60°	1446.5	82.8
0°-90°	1748.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1748.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	651	651	651	651	651	
5°	649	648	649	649	649	62
15°	632	632	632	631	631	178
25°	583	588	592	587	582	268
35°	510	519	520	518	510	319
45°	420	428	429	428	421	324
55°	314	320	320	320	314	281
65°	194	199	200	199	191	192
75°	80	84	83	82	76	87
85°	13	14	13	13	12	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	650.7	650.7	650.7	650.7	650.7
2.5°	650.7	649.9	650.0	650.3	651.5
5°	649.0	648.4	648.6	648.6	649.4
7.5°	646.3	646.1	646.1	645.9	646.5
10°	643.2	642.8	643.0	642.8	643.2
12.5°	638.5	638.5	638.6	638.1	638.5
15°	631.6	632.0	632.4	631.4	631.4
17.5°	622.9	624.0	625.0	623.1	622.1
20°	611.4	613.9	616.3	613.4	611.0
22.5°	597.9	602.0	605.8	601.2	597.9
25°	582.8	588.0	592.3	586.9	582.4
27.5°	566.4	572.2	576.4	571.8	565.6
30°	548.7	555.7	559.4	555.1	547.8
32.5°	529.6	537.9	540.1	537.5	529.2
35°	509.9	519.1	520.1	518.2	509.9
37.5°	489.4	498.2	499.0	497.9	489.4
40°	467.9	476.0	476.2	476.2	467.9
42.5°	445.0	452.8	452.8	452.6	445.6
45°	420.5	428.2	428.8	428.4	421.2
47.5°	396.3	402.1	403.1	402.3	395.9
50°	369.2	375.2	376.5	375.6	370.7
52.5°	342.3	347.9	349.1	348.5	342.9
55°	314.2	319.5	320.3	319.8	314.2
57.5°	287.1	290.6	291.4	290.2	283.1
60°	255.4	260.4	261.8	260.4	253.8
62.5°	224.8	230.1	231.4	229.3	222.3
65°	193.7	199.1	200.5	198.9	191.2
67.5°	164.3	168.2	169.5	167.7	160.6
70°	134.1	139.1	138.9	136.4	130.2
72.5°	104.3	111.1	109.9	108.4	101.6
75°	80.5	83.6	82.8	82.0	76.3
77.5°	57.5	61.2	59.2	59.4	54.6
80°	38.7	42.2	40.2	39.3	36.9
82.5°	24.6	26.1	25.7	25.3	23.0
85°	12.8	13.6	13.2	12.8	12.0
87.5°	5.0	5.4	5.0	5.0	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)