

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: P738038

Luminaire Tested: **22PT-20-PB1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738038
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-L950
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

Summary

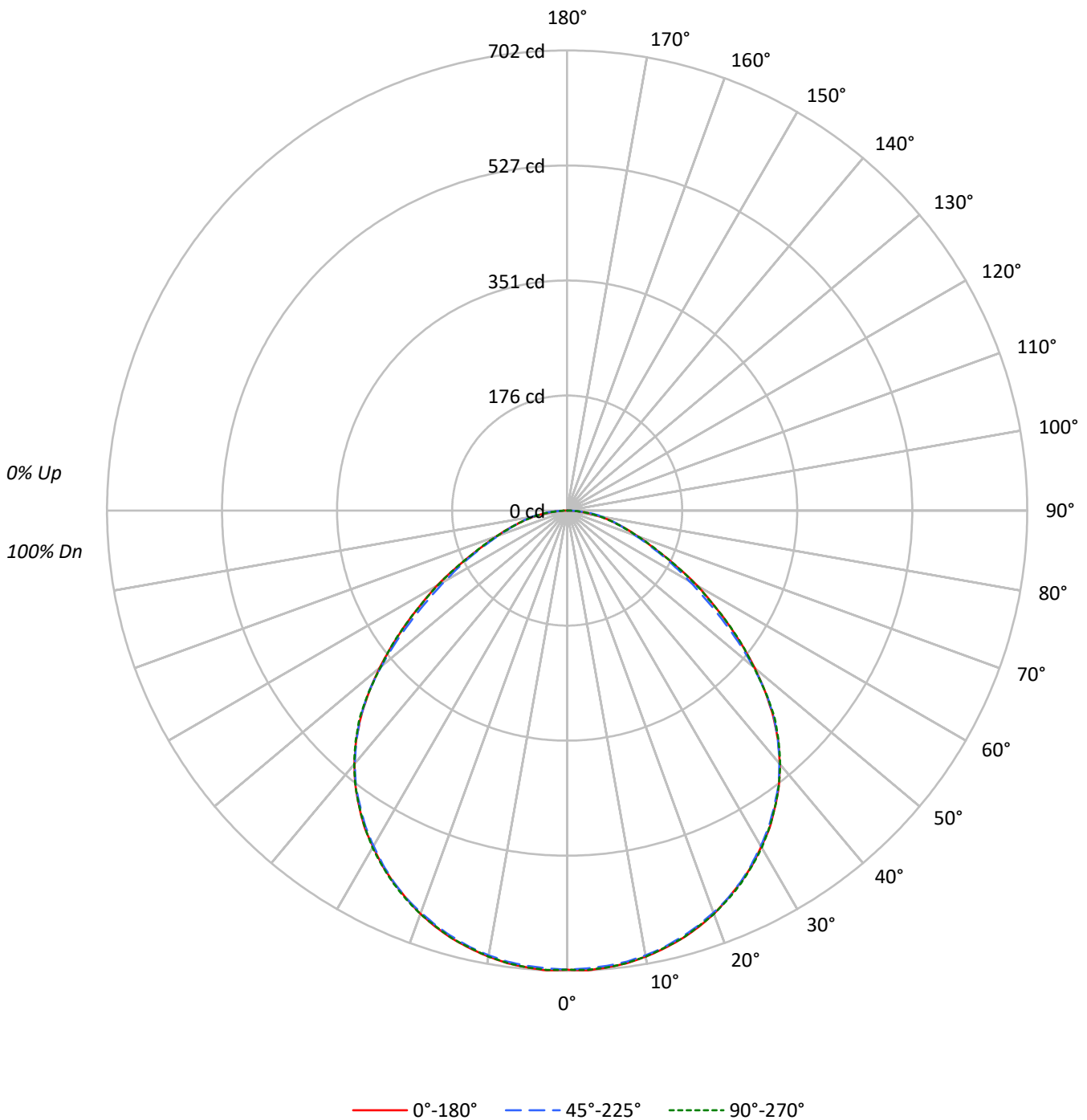
Lumens per Lamp: N/A
Luminaire Lumens: 1766.0 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

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°	2052	2052	2052
5°	2058	2051	2058
10°	2056	2049	2055
15°	2051	2044	2050
20°	2041	2035	2042
25°	2024	2023	2029
30°	2004	1999	2009
35°	1977	1970	1977
40°	1931	1927	1933
45°	1844	1848	1855
50°	1703	1688	1691
55°	1521	1471	1527
60°	1343	1262	1335
65°	1125	1090	1125
70°	976	949	981
75°	890	902	890
80°	835	908	840
85°	726	891	746



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.4	3.8
10°-20°	190.5	10.8
20°-30°	288.4	16.3
30°-40°	344.9	19.5
40°-50°	341.5	19.3
50°-60°	262.6	14.9
60°-70°	159.9	9.1
70°-80°	84.6	4.8
80°-90°	27.1	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°	545.3	30.9
0°-40°	890.2	50.4
0°-60°	1494.4	84.6
0°-90°	1766.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1766.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	700	700	700	700	700	
5°	700	699	697	698	700	67
15°	676	675	674	675	676	191
25°	626	626	626	626	628	289
35°	553	552	551	552	553	345
45°	445	445	446	446	448	341
55°	298	294	288	293	299	267
65°	162	158	157	157	162	164
75°	79	79	80	79	79	84
85°	22	25	26	25	22	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	700.4	700.4	700.4	700.4	700.4
2.5°	702.1	701.0	699.0	700.4	701.3
5°	699.6	699.3	697.3	698.4	699.6
7.5°	696.4	695.6	694.2	695.3	696.2
10°	691.0	690.5	688.8	690.2	690.8
12.5°	684.2	683.6	682.5	683.6	683.4
15°	676.2	675.1	673.7	675.1	675.9
17.5°	666.3	665.1	664.0	664.8	665.4
20°	654.6	652.9	652.6	653.7	654.9
22.5°	640.6	640.6	640.4	641.2	641.8
25°	626.1	625.6	625.6	626.4	627.5
27.5°	610.5	609.3	608.8	610.2	611.0
30°	592.2	592.0	590.8	593.1	593.9
32.5°	574.6	571.7	572.3	573.4	573.7
35°	552.7	552.1	550.7	552.4	552.7
37.5°	530.5	530.2	529.3	529.9	530.2
40°	504.8	504.5	503.7	504.8	505.4
42.5°	476.4	475.8	475.8	476.6	477.5
45°	445.0	445.3	445.9	446.2	447.6
47.5°	410.0	410.6	411.1	410.6	410.9
50°	373.6	373.3	370.4	372.4	371.0
52.5°	335.1	330.9	328.6	333.1	336.3
55°	297.8	293.8	287.9	293.0	299.0
57.5°	262.0	255.1	248.9	254.8	260.8
60°	229.2	218.7	215.3	219.0	227.8
62.5°	194.2	186.8	185.6	186.2	193.9
65°	162.3	158.3	157.2	156.9	162.3
67.5°	136.1	133.5	132.1	133.3	136.7
70°	113.9	112.8	110.8	112.8	114.5
72.5°	95.7	95.4	93.7	95.4	94.8
75°	78.6	78.6	79.7	79.2	78.6
77.5°	64.1	64.6	66.6	64.9	63.2
80°	49.5	51.0	53.8	51.3	49.8
82.5°	35.3	38.4	41.6	38.4	36.4
85°	21.6	24.8	26.5	25.1	22.2
87.5°	9.4	11.1	11.7	10.8	9.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)