

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: P738089

Luminaire Tested: **22PT-25-PC3-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738089
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-25-PC3-L840
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

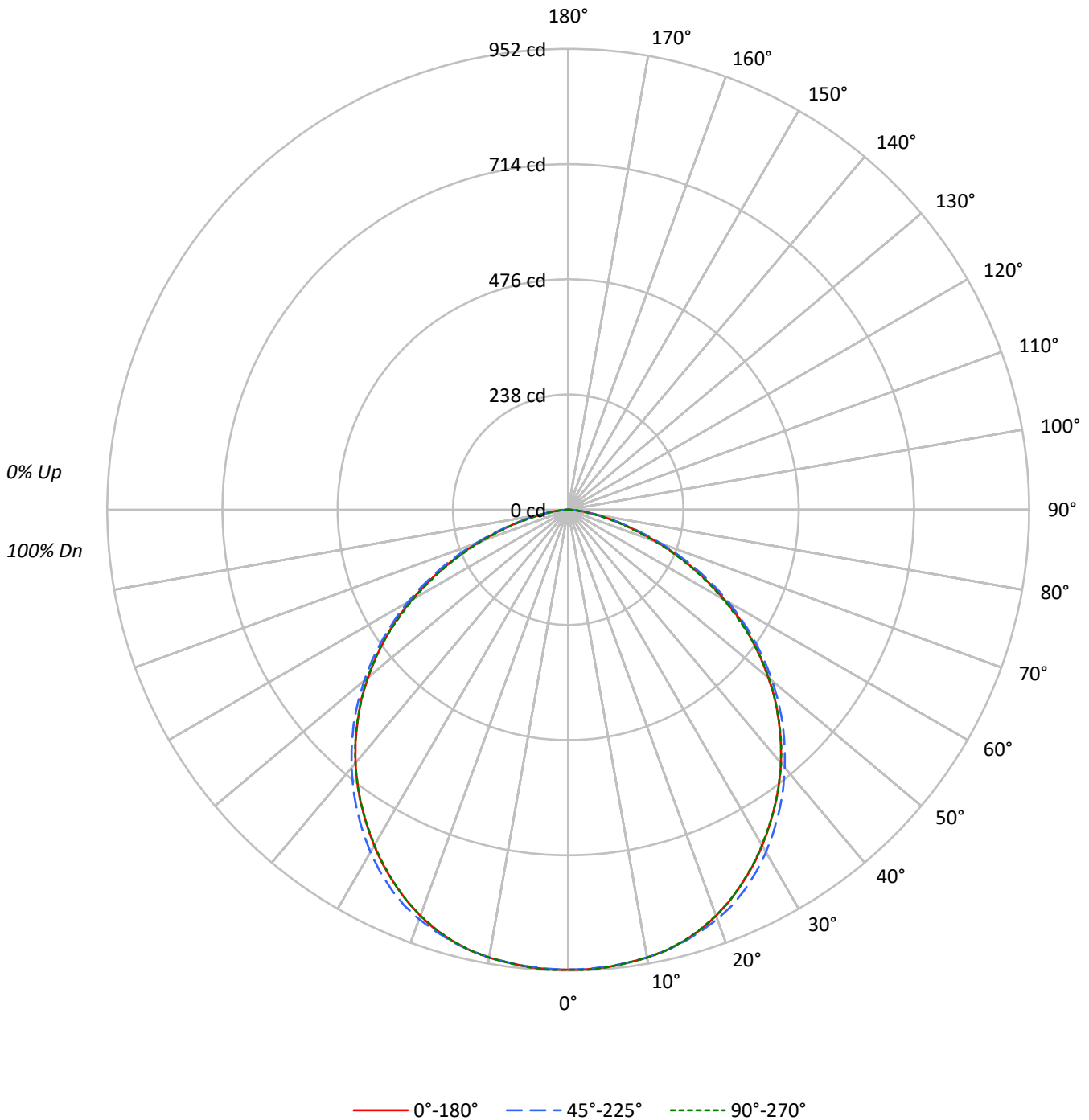
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2553.0 lumens
Efficiency: N/A
Efficacy: 137.3 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): 18.6
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

TEST NUMBER: P738089
CATALOG NUMBER: 22PT-25-PC3-L840

Luminous Intensity Polar Plot





TEST NUMBER: P738089

CATALOG NUMBER: 22PT-25-PC3-L840

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°	2784	2784	2784
5°	2788	2786	2790
10°	2795	2794	2795
15°	2798	2802	2797
20°	2784	2807	2782
25°	2752	2797	2750
30°	2711	2764	2707
35°	2664	2717	2664
40°	2614	2660	2614
45°	2545	2595	2549
50°	2458	2507	2468
55°	2344	2390	2344
60°	2186	2241	2172
65°	1961	2031	1936
70°	1678	1737	1629
75°	1331	1369	1262
80°	955	990	908
85°	629	649	592



TEST NUMBER: P738089

CATALOG NUMBER: 22PT-25-PC3-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	3.5
10°-20°	260.4	10.2
20°-30°	395.1	15.5
30°-40°	471.9	18.5
40°-50°	479.9	18.8
50°-60°	415.1	16.3
60°-70°	285.6	11.2
70°-80°	129.6	5.1
80°-90°	25.1	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°	745.7	29.2
0°-40°	1217.6	47.7
0°-60°	2112.7	82.8
0°-90°	2553.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2553.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	950	950	950	950	950	
5°	948	947	947	947	948	90
15°	922	923	924	922	922	260
25°	851	859	865	857	851	392
35°	745	758	760	757	745	466
45°	614	625	626	626	615	474
55°	459	467	468	467	459	410
65°	283	291	293	290	279	281
75°	118	122	121	120	112	126
85°	19	20	19	19	18	25
90°	0	0	0	0	0	



TEST NUMBER: P738089

CATALOG NUMBER: 22PT-25-PC3-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	950.3	950.3	950.3	950.3	950.3
2.5°	950.3	949.1	949.4	949.7	951.5
5°	947.9	947.0	947.3	947.3	948.5
7.5°	944.0	943.7	943.7	943.4	944.3
10°	939.5	938.9	939.1	938.9	939.5
12.5°	932.5	932.5	932.8	931.9	932.5
15°	922.5	923.1	923.7	922.2	922.2
17.5°	909.8	911.3	912.8	910.1	908.6
20°	892.9	896.6	900.1	895.9	892.3
22.5°	873.2	879.3	884.8	878.1	873.2
25°	851.2	858.7	865.1	857.2	850.6
27.5°	827.3	835.8	841.8	835.2	826.1
30°	801.3	811.6	817.0	810.7	800.1
32.5°	773.5	785.6	788.9	785.0	772.8
35°	744.8	758.1	759.6	756.9	744.8
37.5°	714.9	727.6	728.8	727.2	714.9
40°	683.4	695.2	695.5	695.5	683.4
42.5°	649.9	661.4	661.4	661.0	650.8
45°	614.2	625.4	626.3	625.7	615.1
47.5°	578.9	587.3	588.8	587.6	578.3
50°	539.3	548.0	549.9	548.6	541.4
52.5°	499.9	508.1	509.9	509.0	500.8
55°	458.9	466.7	467.9	467.0	458.9
57.5°	419.3	424.4	425.6	423.8	413.5
60°	373.0	380.3	382.4	380.3	370.6
62.5°	328.3	336.1	338.0	334.9	324.7
65°	282.9	290.7	292.9	290.5	279.3
67.5°	240.0	245.7	247.6	244.9	234.5
70°	195.9	203.2	202.8	199.2	190.1
72.5°	152.4	162.3	160.5	158.4	148.4
75°	117.6	122.1	120.9	119.7	111.5
77.5°	84.0	89.5	86.5	86.7	79.8
80°	56.6	61.6	58.7	57.4	53.8
82.5°	36.0	38.1	37.5	36.9	33.6
85°	18.7	19.9	19.3	18.7	17.6
87.5°	7.3	7.9	7.3	7.3	6.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)