

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: P738290

Luminaire Tested: **22PT-60-PL1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738290
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-60-PL1-L850
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

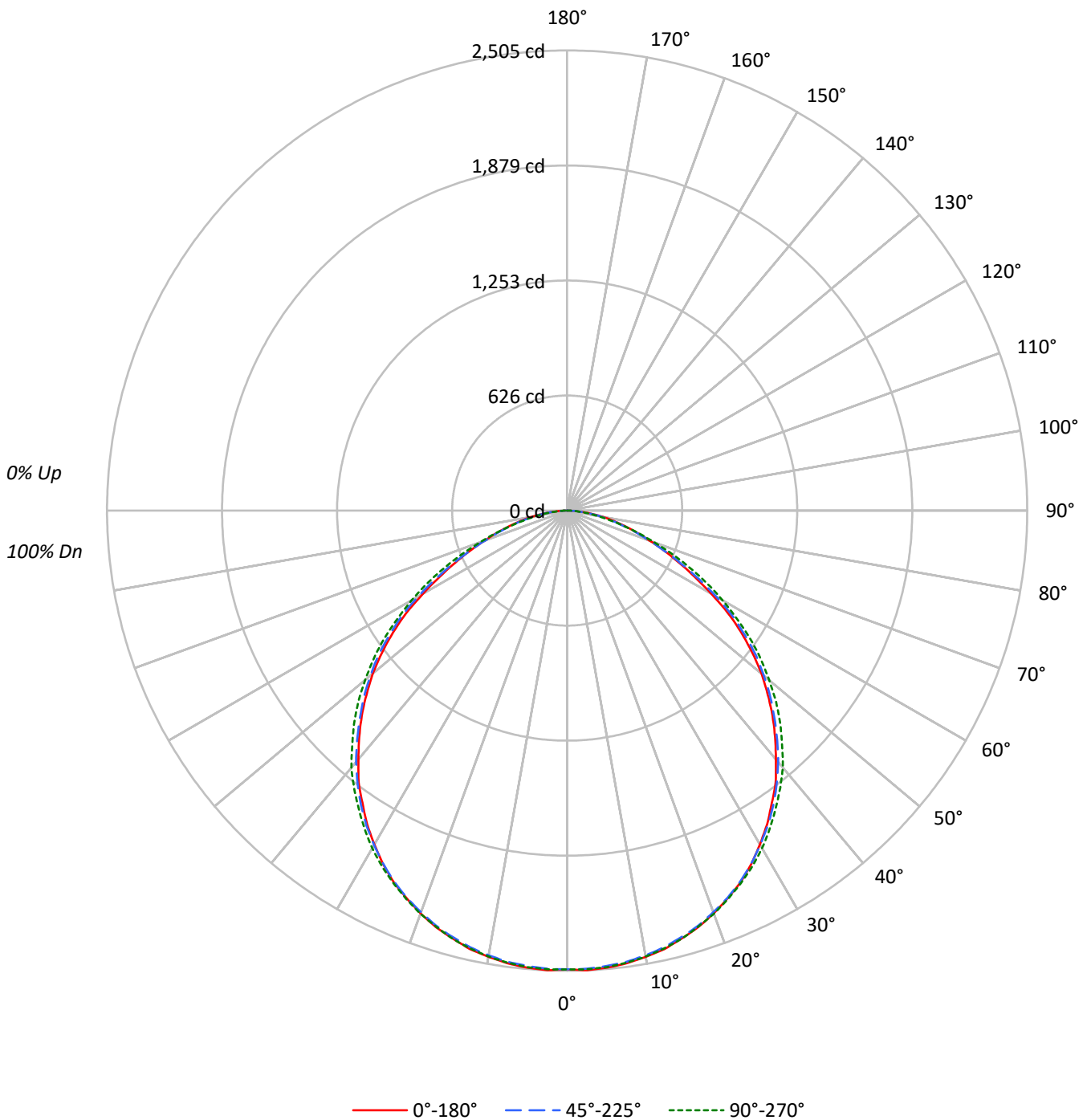
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6580.0 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 51.8
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	109	105	101	97	107	103	99	96	98	95	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	71	65		74	69	64		72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	50	75	64	55	49	62	54	49		60	53	48		58	52	48	46
6	71	58	50	43	70	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	31		41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7318	7318	7318
5°	7345	7318	7336
10°	7340	7315	7333
15°	7314	7292	7318
20°	7276	7253	7283
25°	7218	7204	7235
30°	7099	7113	7180
35°	6949	6998	7080
40°	6759	6836	6989
45°	6552	6609	6796
50°	6293	6370	6542
55°	5909	6027	6215
60°	5313	5492	5726
65°	4655	4749	5106
70°	4086	4050	4312
75°	3676	3521	3532
80°	3297	3120	2784
85°	2612	2579	2118



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.8	3.6
10°-20°	679.2	10.3
20°-30°	1027.3	15.6
30°-40°	1224.8	18.6
40°-50°	1236.7	18.8
50°-60°	1055.0	16.0
60°-70°	693.3	10.5
70°-80°	339.5	5.2
80°-90°	87.5	1.3
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°	1943.3	29.5
0°-40°	3168.2	48.1
0°-60°	5459.8	83.0
0°-90°	6580.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6580.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2497	2497	2497	2497	2497	
5°	2497	2492	2488	2488	2494	237
15°	2411	2407	2404	2405	2412	681
25°	2233	2227	2228	2232	2238	1027
35°	1943	1948	1956	1970	1979	1216
45°	1581	1585	1595	1626	1640	1218
55°	1157	1163	1180	1207	1217	1030
65°	671	671	685	717	736	672
75°	325	322	311	309	312	348
85°	78	78	77	70	63	93
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2497.4	2497.4	2497.4	2497.4	2497.4
2.5°	2504.8	2499.5	2496.4	2494.3	2499.5
5°	2497.4	2492.2	2488.0	2488.0	2494.3
7.5°	2485.9	2480.6	2477.5	2476.4	2482.7
10°	2466.9	2460.6	2458.5	2457.5	2464.8
12.5°	2444.9	2435.4	2435.4	2434.4	2441.7
15°	2411.3	2407.1	2403.9	2405.0	2412.3
17.5°	2376.6	2372.4	2370.3	2370.3	2374.5
20°	2333.5	2328.3	2326.2	2328.3	2335.6
22.5°	2284.1	2281.0	2281.0	2283.1	2288.3
25°	2232.7	2227.4	2228.4	2231.6	2237.9
27.5°	2169.6	2168.6	2168.6	2175.9	2183.3
30°	2098.2	2098.2	2102.4	2112.9	2122.3
32.5°	2025.7	2024.6	2033.0	2042.5	2053.0
35°	1942.7	1947.9	1956.3	1970.0	1979.4
37.5°	1864.9	1863.9	1874.4	1898.5	1904.8
40°	1767.2	1774.6	1787.2	1811.3	1827.1
42.5°	1675.8	1681.1	1692.6	1721.0	1731.5
45°	1581.2	1585.4	1594.9	1626.4	1640.1
47.5°	1481.4	1486.7	1500.3	1526.6	1542.4
50°	1380.6	1387.9	1397.4	1422.6	1435.2
52.5°	1270.2	1279.7	1296.5	1319.6	1329.1
55°	1156.8	1163.1	1179.9	1207.2	1216.7
57.5°	1038.1	1043.3	1067.5	1087.4	1094.8
60°	906.7	913.0	937.2	968.7	977.1
62.5°	782.7	788.0	809.0	846.8	859.4
65°	671.4	671.4	685.0	716.6	736.5
67.5°	572.6	570.5	572.6	596.8	617.8
70°	477.0	478.1	472.8	487.5	503.3
72.5°	398.2	398.2	387.7	389.8	402.4
75°	324.7	321.5	311.0	308.9	312.0
77.5°	259.5	254.3	245.9	239.6	232.2
80°	195.4	191.2	184.9	175.5	165.0
82.5°	136.6	132.4	128.2	122.9	112.4
85°	77.7	77.7	76.7	70.4	63.0
87.5°	31.5	30.5	29.4	28.4	26.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)