

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: P738200

Luminaire Tested: **22PT-45-PP3-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738200
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P412714)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-45-PP3-L835
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

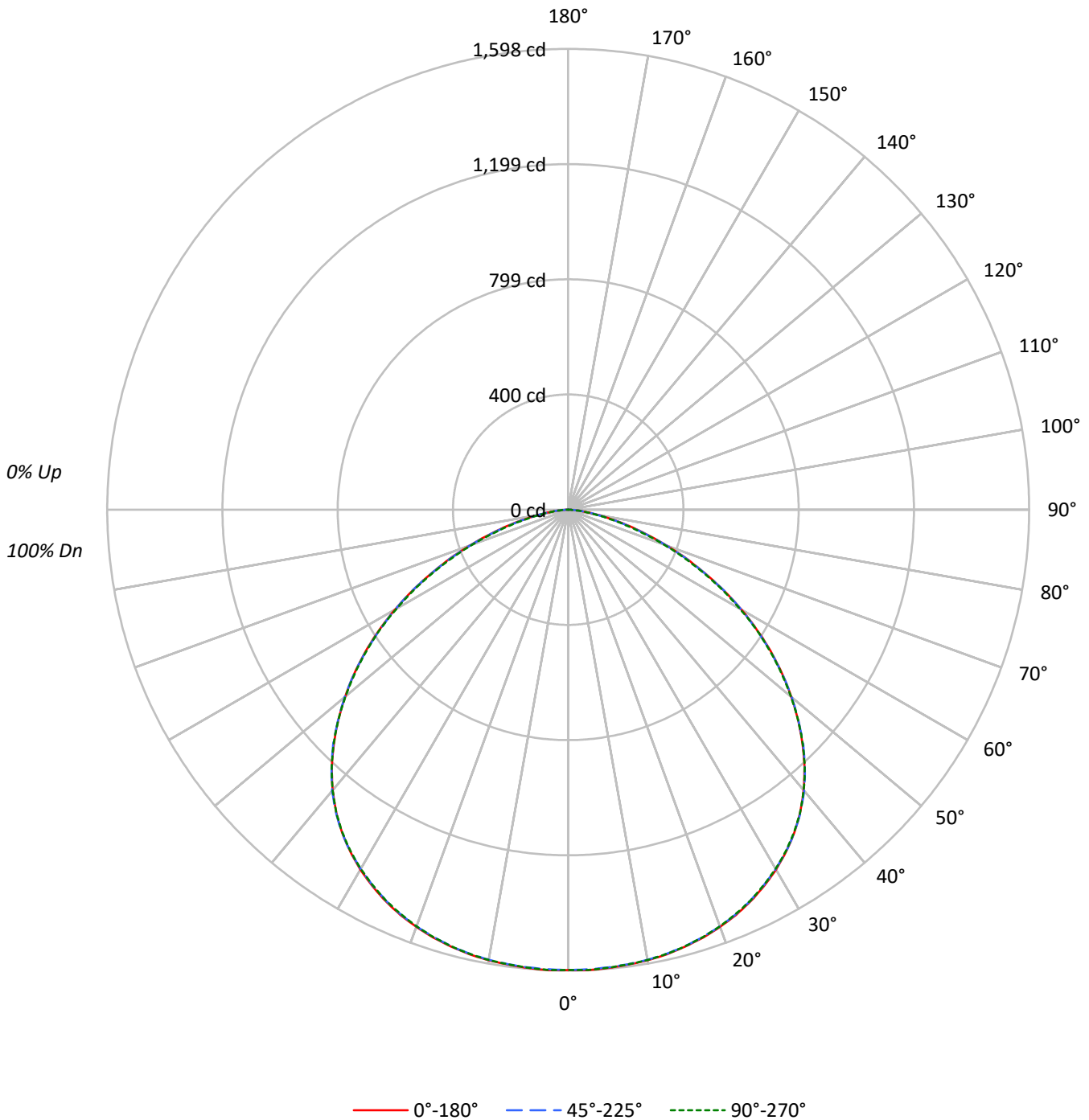
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4580.0 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 35.3
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	85	80	97	90	84	79	87	81	77		83	79	75		80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55		66	60	55		64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48		59	53	47		57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42		53	47	42		52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37		49	42	37		47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33		44	38	33		43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4677	4677	4677
5°	4692	4686	4689
10°	4721	4715	4718
15°	4758	4753	4753
20°	4800	4795	4793
25°	4842	4834	4834
30°	4876	4867	4865
35°	4890	4890	4884
40°	4858	4868	4858
45°	4762	4775	4768
50°	4602	4609	4597
55°	4381	4370	4362
60°	4067	4058	4026
65°	3632	3629	3588
70°	3106	3086	3018
75°	2474	2401	2329
80°	1763	1728	1637
85°	1146	1146	1109



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.8	3.3
10°-20°	442.8	9.7
20°-30°	689.5	15.1
30°-40°	853.4	18.6
40°-50°	884.9	19.3
50°-60°	762.7	16.7
60°-70°	518.6	11.3
70°-80°	232.0	5.1
80°-90°	44.2	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°	1284.2	28.0
0°-40°	2137.5	46.7
0°-60°	3785.2	82.6
0°-90°	4580.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4580.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1596	1596	1596	1596	1596	
5°	1595	1592	1593	1592	1594	152
15°	1569	1566	1567	1566	1567	443
25°	1498	1496	1495	1494	1495	691
35°	1367	1366	1367	1365	1366	854
45°	1149	1148	1152	1150	1151	884
55°	858	854	856	854	854	765
65°	524	528	524	522	518	520
75°	218	219	212	211	206	235
85°	34	35	34	33	33	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1596.3	1596.3	1596.3	1596.3	1596.3
2.5°	1598.5	1595.2	1595.2	1595.8	1597.5
5°	1595.2	1592.1	1593.1	1592.5	1594.2
7.5°	1591.1	1588.4	1590.0	1588.8	1590.0
10°	1586.7	1584.0	1584.6	1584.0	1585.7
12.5°	1579.2	1576.1	1577.2	1577.2	1577.8
15°	1568.6	1565.9	1567.0	1565.9	1567.0
17.5°	1555.8	1552.6	1553.2	1552.6	1553.7
20°	1539.3	1537.2	1537.7	1536.6	1537.2
22.5°	1520.7	1518.0	1518.6	1517.5	1517.5
25°	1497.8	1495.5	1495.1	1494.5	1495.1
27.5°	1471.0	1468.5	1468.5	1467.9	1467.9
30°	1441.3	1438.6	1438.6	1438.0	1438.0
32.5°	1406.0	1405.0	1405.6	1404.5	1403.9
35°	1367.1	1365.5	1367.1	1365.0	1365.5
37.5°	1321.8	1319.8	1322.9	1320.8	1321.2
40°	1270.1	1269.1	1272.8	1271.2	1270.1
42.5°	1212.6	1212.6	1214.2	1214.7	1213.6
45°	1149.2	1148.1	1152.3	1149.6	1150.7
47.5°	1080.9	1079.4	1082.5	1081.9	1081.5
50°	1009.6	1008.4	1011.1	1008.4	1008.4
52.5°	935.4	934.8	935.4	932.7	932.2
55°	857.6	854.4	855.5	853.8	853.8
57.5°	776.5	772.8	773.4	772.8	773.4
60°	694.0	692.8	692.4	689.7	687.0
62.5°	609.3	610.3	609.7	606.0	603.3
65°	523.9	528.3	523.5	521.8	517.5
67.5°	443.5	445.0	441.9	438.1	433.3
70°	362.5	365.6	360.2	356.5	352.3
72.5°	285.2	287.3	282.5	280.4	275.0
75°	218.5	219.1	212.1	211.1	205.7
77.5°	155.6	157.7	152.5	152.5	147.1
80°	104.5	108.2	102.4	100.7	97.0
82.5°	65.6	66.1	64.4	62.9	61.3
85°	34.1	35.1	34.1	33.0	33.0
87.5°	12.9	13.3	12.9	12.3	12.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)