

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: P738424

Luminaire Tested: **24PT-20-PW1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738424
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-20-PW1-L835
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

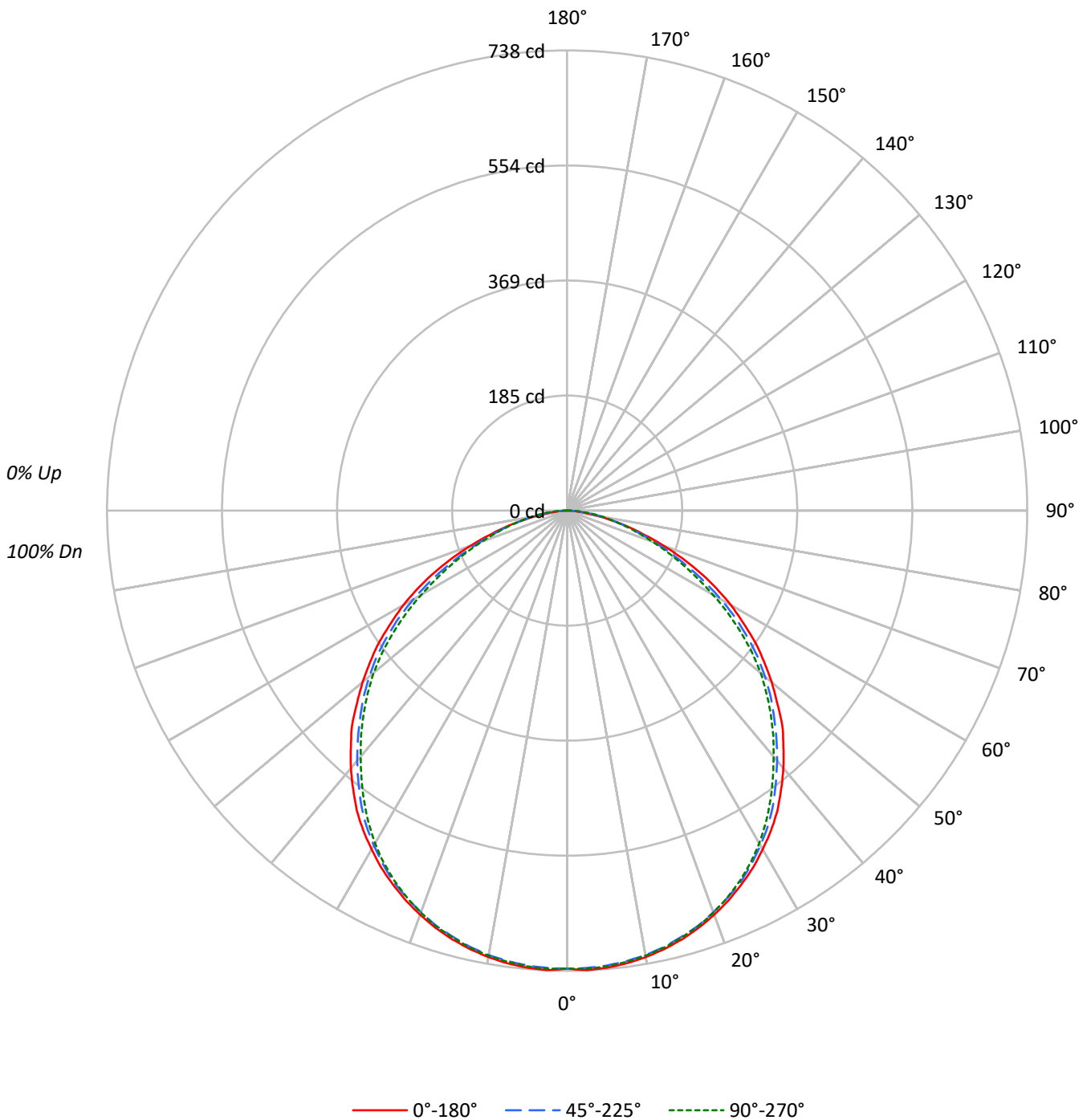
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1959.0 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 15.1
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: P738424
CATALOG NUMBER: 24PT-20-PW1-L835

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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1053	1053	1053
5°	1059	1054	1056
10°	1059	1054	1055
15°	1057	1051	1052
20°	1052	1046	1047
25°	1047	1041	1037
30°	1038	1027	1020
35°	1029	1008	994
40°	1010	980	964
45°	990	952	936
50°	955	923	904
55°	920	881	849
60°	870	816	774
65°	796	727	690
70°	690	631	607
75°	565	543	537
80°	412	465	479
85°	276	388	413



TEST NUMBER: P738424

CATALOG NUMBER: 24PT-20-PW1-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.7	3.6
10°-20°	200.0	10.2
20°-30°	302.7	15.5
30°-40°	360.2	18.4
40°-50°	363.9	18.6
50°-60°	314.9	16.1
60°-70°	215.1	11.0
70°-80°	106.0	5.4
80°-90°	26.5	1.4
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°	572.5	29.2
0°-40°	932.7	47.6
0°-60°	1611.4	82.3
0°-90°	1959.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1959.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	735	735	735	735	735	
5°	736	733	732	732	734	70
15°	712	709	708	708	709	201
25°	662	659	658	655	655	305
35°	588	583	576	570	568	367
45°	488	480	469	464	462	375
55°	368	363	352	345	340	328
65°	235	226	214	207	203	232
75°	102	99	98	98	97	109
85°	17	21	24	24	25	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	734.7	734.7	734.7	734.7	734.7
2.5°	737.7	734.9	734.1	733.4	735.3
5°	736.0	733.2	732.4	731.7	733.9
7.5°	732.4	729.6	728.8	728.1	729.8
10°	727.1	724.5	723.7	723.0	724.9
12.5°	720.3	717.9	716.9	716.0	718.1
15°	711.8	709.4	707.9	707.5	708.8
17.5°	701.6	699.2	698.2	697.5	699.0
20°	689.7	687.1	685.6	684.8	686.1
22.5°	676.5	674.0	672.0	671.2	671.6
25°	661.6	659.1	657.8	655.3	655.3
27.5°	645.7	642.7	639.5	636.8	637.0
30°	627.2	623.8	620.0	616.4	616.2
32.5°	608.5	604.3	599.6	594.7	593.2
35°	587.9	583.0	576.0	569.7	568.0
37.5°	563.7	559.3	549.9	544.6	541.8
40°	539.7	533.3	523.8	517.6	515.1
42.5°	513.4	507.2	497.0	491.3	489.2
45°	488.3	480.0	469.4	464.1	461.8
47.5°	457.1	450.3	442.9	436.7	433.7
50°	428.2	422.7	413.8	407.0	405.1
52.5°	398.0	393.4	384.9	376.0	373.8
55°	368.1	363.0	352.4	344.9	339.6
57.5°	334.3	329.9	319.9	310.3	305.6
60°	303.3	295.7	284.6	274.2	270.0
62.5°	269.5	262.1	249.4	238.7	236.4
65°	234.7	225.8	214.3	207.3	203.3
67.5°	199.4	190.7	181.2	176.7	174.2
70°	164.6	157.6	150.4	147.2	144.9
72.5°	131.1	127.0	123.0	121.7	119.6
75°	102.0	99.0	98.1	97.5	96.9
77.5°	73.5	75.0	75.8	76.7	75.8
80°	49.9	53.1	56.3	58.0	58.0
82.5°	30.8	36.3	39.1	40.8	40.6
85°	16.8	20.8	23.6	24.4	25.1
87.5°	6.8	8.5	9.6	10.4	10.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)