

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: P738456

Luminaire Tested: **24PT-30-PW1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738456
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-30-PW1-L835
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

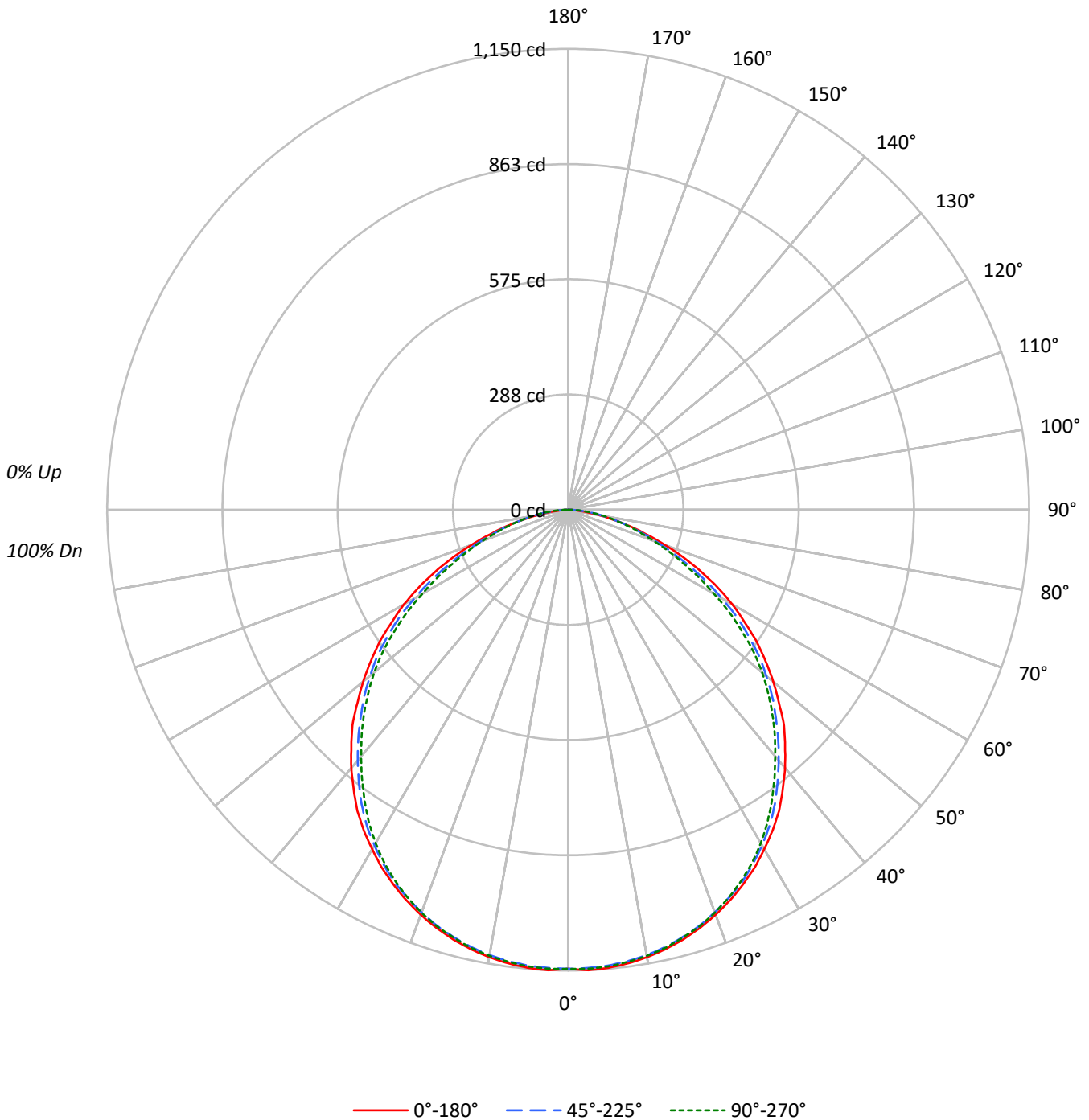
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3055.0 lumens
Efficiency: N/A
Efficacy: 128.4 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): 23.8
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	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°	1643	1643	1643
5°	1652	1644	1647
10°	1651	1643	1646
15°	1648	1639	1641
20°	1641	1631	1633
25°	1632	1623	1617
30°	1619	1601	1591
35°	1605	1572	1550
40°	1575	1529	1503
45°	1544	1484	1460
50°	1490	1439	1409
55°	1435	1374	1324
60°	1356	1273	1207
65°	1242	1134	1076
70°	1076	983	947
75°	881	848	837
80°	642	725	746
85°	431	605	643



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.7	3.6
10°-20°	312.0	10.2
20°-30°	472.1	15.5
30°-40°	561.8	18.4
40°-50°	567.4	18.6
50°-60°	491.0	16.1
60°-70°	335.4	11.0
70°-80°	165.3	5.4
80°-90°	41.3	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°	892.7	29.2
0°-40°	1454.5	47.6
0°-60°	2512.9	82.3
0°-90°	3055.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3055.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1146	1146	1146	1146	1146	
5°	1148	1143	1142	1141	1144	109
15°	1110	1106	1104	1103	1105	313
25°	1032	1028	1026	1022	1022	476
35°	917	909	898	888	886	572
45°	762	749	732	724	720	585
55°	574	566	550	538	530	511
65°	366	352	334	323	317	361
75°	159	154	153	152	151	170
85°	26	32	37	38	39	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1145.7	1145.7	1145.7	1145.7	1145.7
2.5°	1150.4	1146.1	1144.7	1143.8	1146.7
5°	1147.7	1143.4	1142.1	1141.1	1144.4
7.5°	1142.1	1137.8	1136.5	1135.5	1138.1
10°	1133.8	1129.8	1128.5	1127.5	1130.5
12.5°	1123.2	1119.6	1117.9	1116.6	1119.9
15°	1110.0	1106.3	1104.0	1103.3	1105.3
17.5°	1094.1	1090.4	1088.8	1087.8	1090.1
20°	1075.5	1071.5	1069.2	1067.9	1069.9
22.5°	1055.0	1051.0	1048.0	1046.7	1047.4
25°	1031.8	1027.8	1025.8	1021.9	1021.9
27.5°	1007.0	1002.3	997.3	993.0	993.4
30°	978.1	972.8	966.9	961.2	960.9
32.5°	949.0	942.4	935.1	927.5	925.1
35°	916.9	909.2	898.3	888.4	885.7
37.5°	879.1	872.1	857.6	849.3	845.0
40°	841.7	831.7	816.8	807.2	803.2
42.5°	800.6	791.0	775.1	766.1	762.8
45°	761.5	748.6	732.0	723.7	720.1
47.5°	712.8	702.2	690.6	681.0	676.4
50°	667.8	659.2	645.2	634.6	631.7
52.5°	620.7	613.4	600.2	586.3	583.0
55°	574.0	566.1	549.5	537.9	529.6
57.5°	521.4	514.4	498.8	483.9	476.6
60°	473.0	461.1	443.9	427.6	421.0
62.5°	420.3	408.7	388.9	372.3	368.7
65°	366.0	352.1	334.2	323.3	317.0
67.5°	311.0	297.4	282.5	275.6	271.6
70°	256.7	245.8	234.5	229.5	225.9
72.5°	204.4	198.1	191.8	189.8	186.5
75°	159.0	154.4	153.0	152.0	151.0
77.5°	114.6	116.9	118.3	119.6	118.3
80°	77.8	82.8	87.8	90.4	90.4
82.5°	48.0	56.6	60.9	63.6	63.3
85°	26.2	32.5	36.8	38.1	39.1
87.5°	10.6	13.2	14.9	16.2	16.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)