

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: P738495

Luminaire Tested: **24PT-40-PC3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738495
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-40-PC3-L830
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

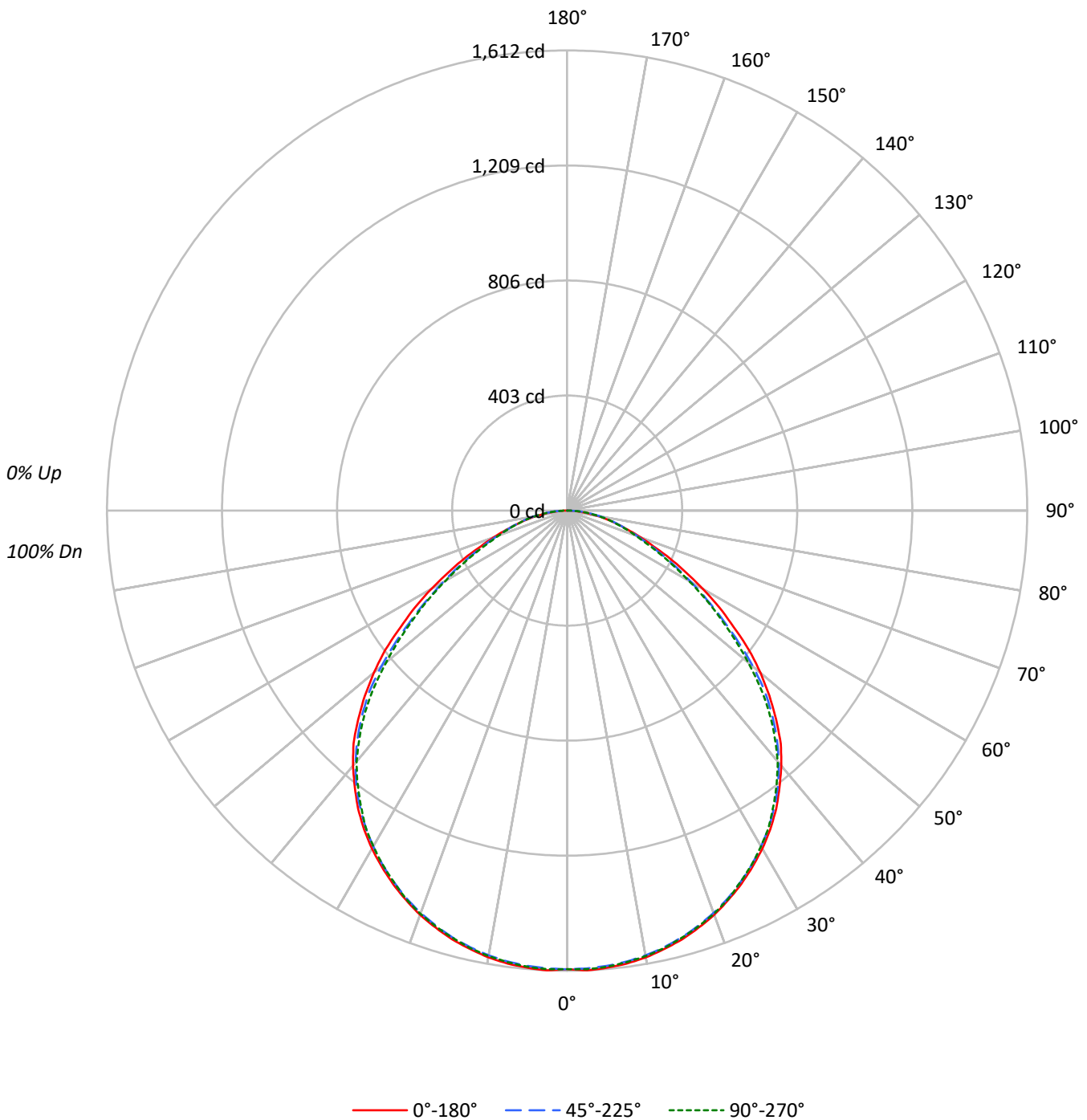
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4053.0 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 32.7
Input Voltage (V): NR
Input Current (Ain): 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	110	105	101	98	107	103	99	96	99	96	93		95	92	90		91	89	88	86
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67		75	70	65		72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57		67	61	57		65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50		61	54	50		59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44		55	49	44		54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39		50	44	39		49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35		46	40	35		45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32		43	36	32		42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29		40	33	29		39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2304	2304	2304
5°	2314	2304	2309
10°	2314	2304	2307
15°	2309	2298	2301
20°	2300	2289	2293
25°	2284	2273	2272
30°	2264	2249	2249
35°	2234	2216	2206
40°	2184	2158	2148
45°	2099	2060	2031
50°	1971	1895	1845
55°	1782	1661	1630
60°	1576	1438	1409
65°	1347	1245	1214
70°	1142	1093	1061
75°	1001	1018	983
80°	898	989	934
85°	758	905	860



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.4	3.8
10°-20°	437.3	10.8
20°-30°	662.4	16.3
30°-40°	791.2	19.5
40°-50°	780.5	19.3
50°-60°	604.2	14.9
60°-70°	371.4	9.2
70°-80°	194.6	4.8
80°-90°	59.0	1.5
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°	1252.1	30.9
0°-40°	2043.3	50.4
0°-60°	3428.0	84.6
0°-90°	4053.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4053.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1607	1607	1607	1607	1607	
5°	1608	1603	1601	1600	1604	153
15°	1555	1550	1548	1547	1550	439
25°	1444	1439	1436	1436	1436	665
35°	1276	1270	1266	1262	1260	797
45°	1035	1028	1016	1005	1002	796
55°	713	694	664	655	652	640
65°	397	379	367	356	358	396
75°	181	182	184	180	178	195
85°	46	51	55	54	52	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1606.8	1606.8	1606.8	1606.8	1606.8
2.5°	1612.1	1607.2	1605.0	1604.5	1608.1
5°	1607.7	1602.8	1601.0	1600.1	1604.1
7.5°	1600.5	1595.1	1593.4	1592.0	1595.6
10°	1589.3	1584.0	1582.2	1581.3	1584.4
12.5°	1573.2	1568.3	1567.0	1565.6	1569.7
15°	1555.3	1550.4	1548.2	1546.9	1550.0
17.5°	1532.1	1528.1	1525.4	1525.4	1528.1
20°	1507.1	1502.1	1499.9	1498.6	1503.0
22.5°	1476.2	1473.1	1470.4	1468.1	1473.1
25°	1443.5	1439.1	1436.4	1435.5	1435.9
27.5°	1406.4	1403.3	1399.7	1398.4	1399.3
30°	1367.5	1363.5	1358.6	1355.9	1358.1
32.5°	1324.1	1318.3	1314.3	1311.6	1314.8
35°	1276.3	1270.5	1266.0	1262.0	1260.2
37.5°	1221.7	1220.0	1213.7	1206.5	1206.1
40°	1166.7	1161.8	1152.9	1149.7	1147.5
42.5°	1107.7	1097.4	1088.0	1079.1	1076.0
45°	1035.3	1027.7	1016.0	1005.3	1001.7
47.5°	961.0	951.2	940.0	921.2	919.0
50°	883.7	869.3	849.7	834.0	827.3
52.5°	803.2	783.9	756.7	743.2	739.7
55°	712.8	693.6	664.5	654.7	652.0
57.5°	632.3	604.2	580.5	569.3	572.9
60°	549.6	522.3	501.3	490.6	491.5
62.5°	468.7	447.2	431.5	421.3	422.6
65°	397.1	378.8	367.1	356.4	357.8
67.5°	326.9	318.4	309.9	303.6	300.1
70°	272.3	268.8	260.7	254.9	253.1
72.5°	222.7	224.9	218.2	216.4	216.0
75°	180.7	182.5	183.8	180.2	177.5
77.5°	144.4	147.1	152.5	147.6	146.7
80°	108.7	114.0	119.8	116.7	113.1
82.5°	76.0	82.7	88.1	84.1	82.3
85°	46.1	51.4	55.0	53.7	52.3
87.5°	20.6	22.4	24.1	24.6	23.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)