

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: P302055

Luminaire Tested: **RX-WO-48L940-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302055
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-48L940-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
ROUND LENS
Light Source: (196)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

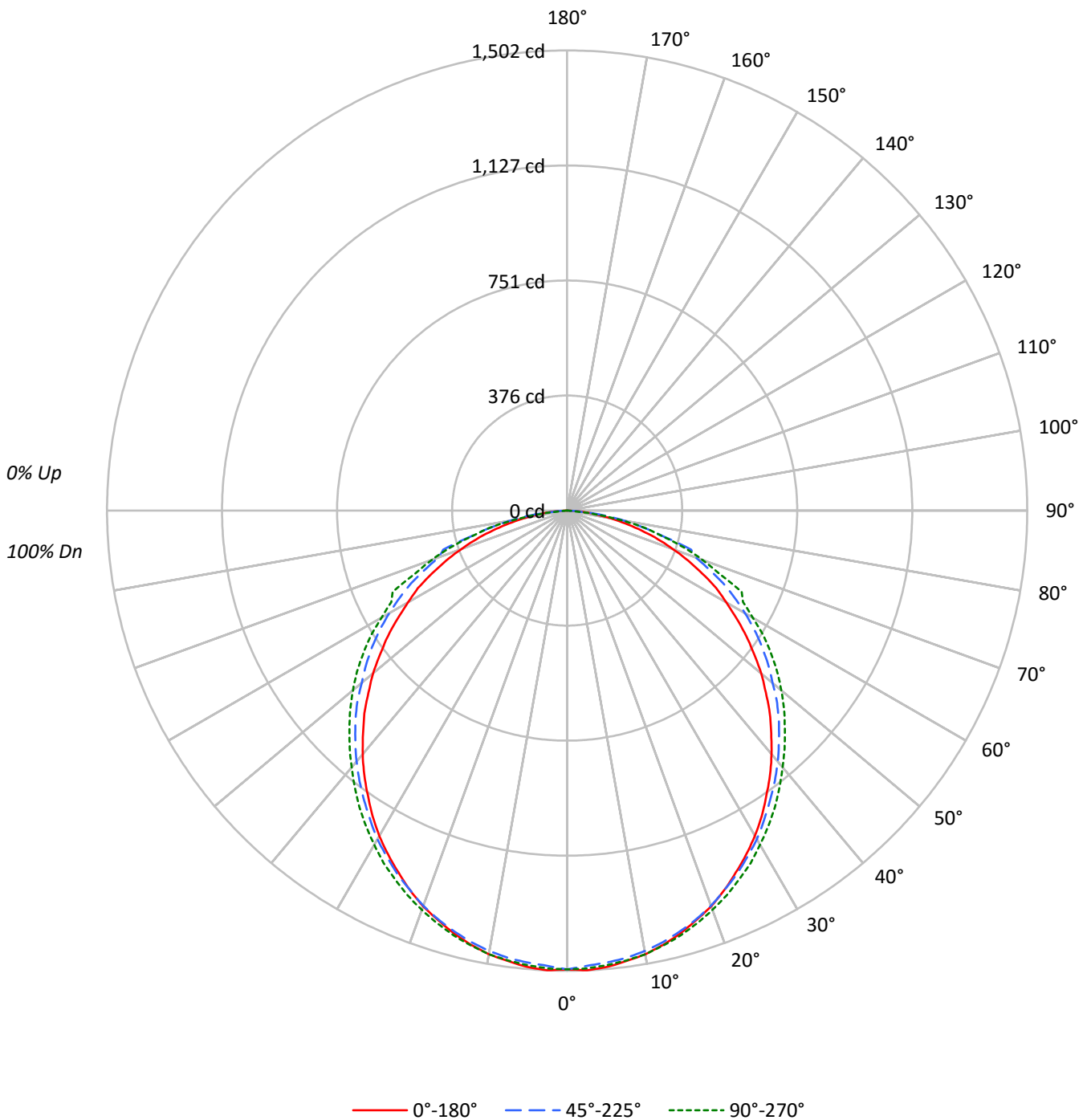
Lumens per Lamp: N/A
Luminaire Lumens: 4258.1 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 36.9
Input Voltage (V): 120
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	109	104	99	96	106	102	98	94	97	94	91		93	91	88		90	88	86	83
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46		57	50	45		55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35		47	40	35		46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4030	4030	4030
5°	4040	4000	4023
10°	4018	3989	4018
15°	3980	3963	3997
20°	3936	3930	3972
25°	3870	3888	3944
30°	3810	3849	3914
35°	3726	3794	3884
40°	3647	3757	3845
45°	3561	3720	3824
50°	3463	3664	3821
55°	3351	3645	3812
60°	3226	3609	3766
65°	3099	3578	4003
70°	2892	3500	3698
75°	2606	3387	3323
80°	2201	2913	2751
85°	1612	1420	516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.4	3.3
10°-20°	403.1	9.5
20°-30°	605.9	14.2
30°-40°	724.8	17.0
40°-50°	751.5	17.6
50°-60°	689.1	16.2
60°-70°	548.2	12.9
70°-80°	325.7	7.6
80°-90°	68.3	1.6
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°	1150.4	27.0
0°-40°	1875.3	44.0
0°-60°	3315.9	77.9
0°-90°	4258.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4258.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1498	1498	1498	1498	1498	
5°	1496	1491	1481	1491	1489	142
15°	1429	1427	1422	1435	1435	403
25°	1303	1305	1310	1328	1328	601
35°	1134	1140	1155	1178	1182	710
45°	936	950	978	998	1005	721
55°	714	739	777	808	812	638
65°	487	516	562	585	629	482
75°	251	286	326	324	320	266
85°	52	65	46	25	17	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1497.6	1497.6	1497.6	1497.6	1497.6
2.5°	1501.8	1497.6	1487.1	1497.6	1495.5
5°	1495.5	1491.3	1480.9	1491.3	1489.2
7.5°	1483.0	1480.9	1472.5	1483.0	1480.9
10°	1470.4	1466.3	1460.0	1470.4	1470.4
12.5°	1451.6	1447.5	1443.3	1455.8	1453.7
15°	1428.7	1426.6	1422.4	1434.9	1434.9
17.5°	1401.5	1401.5	1399.4	1412.0	1412.0
20°	1374.4	1372.3	1372.3	1386.9	1386.9
22.5°	1340.9	1340.9	1340.9	1359.7	1359.7
25°	1303.3	1305.4	1309.6	1328.4	1328.4
27.5°	1265.7	1269.9	1274.1	1292.9	1297.1
30°	1226.1	1228.1	1238.6	1257.4	1259.5
32.5°	1182.2	1186.4	1196.8	1217.7	1221.9
35°	1134.2	1140.4	1155.0	1178.0	1182.2
37.5°	1088.2	1096.6	1113.3	1136.2	1138.3
40°	1038.1	1048.5	1069.4	1090.3	1094.5
42.5°	985.9	998.4	1023.5	1046.4	1050.6
45°	935.7	950.4	977.5	998.4	1004.7
47.5°	879.3	896.0	929.5	954.5	960.8
50°	827.1	843.8	875.2	906.5	912.8
52.5°	768.6	791.6	827.1	858.5	864.7
55°	714.3	739.4	777.0	808.3	812.5
57.5°	655.8	683.0	724.8	754.0	760.3
60°	599.5	628.7	670.5	697.6	699.7
62.5°	549.3	574.4	616.2	641.2	647.5
65°	486.7	515.9	561.9	584.8	628.7
67.5°	428.2	457.4	501.3	578.6	536.8
70°	367.6	401.0	444.9	465.8	470.0
72.5°	311.2	344.6	424.0	401.0	398.9
75°	250.6	286.2	325.8	323.7	319.6
77.5°	194.2	231.8	254.8	256.9	256.9
80°	142.0	188.0	188.0	188.0	177.5
82.5°	91.9	121.1	121.1	104.4	94.0
85°	52.2	64.7	46.0	25.1	16.7
87.5°	18.8	14.6	4.2	4.2	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)