

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: P302284

Luminaire Tested: **RX-WO-40H940-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302284
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-40H940-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (252)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

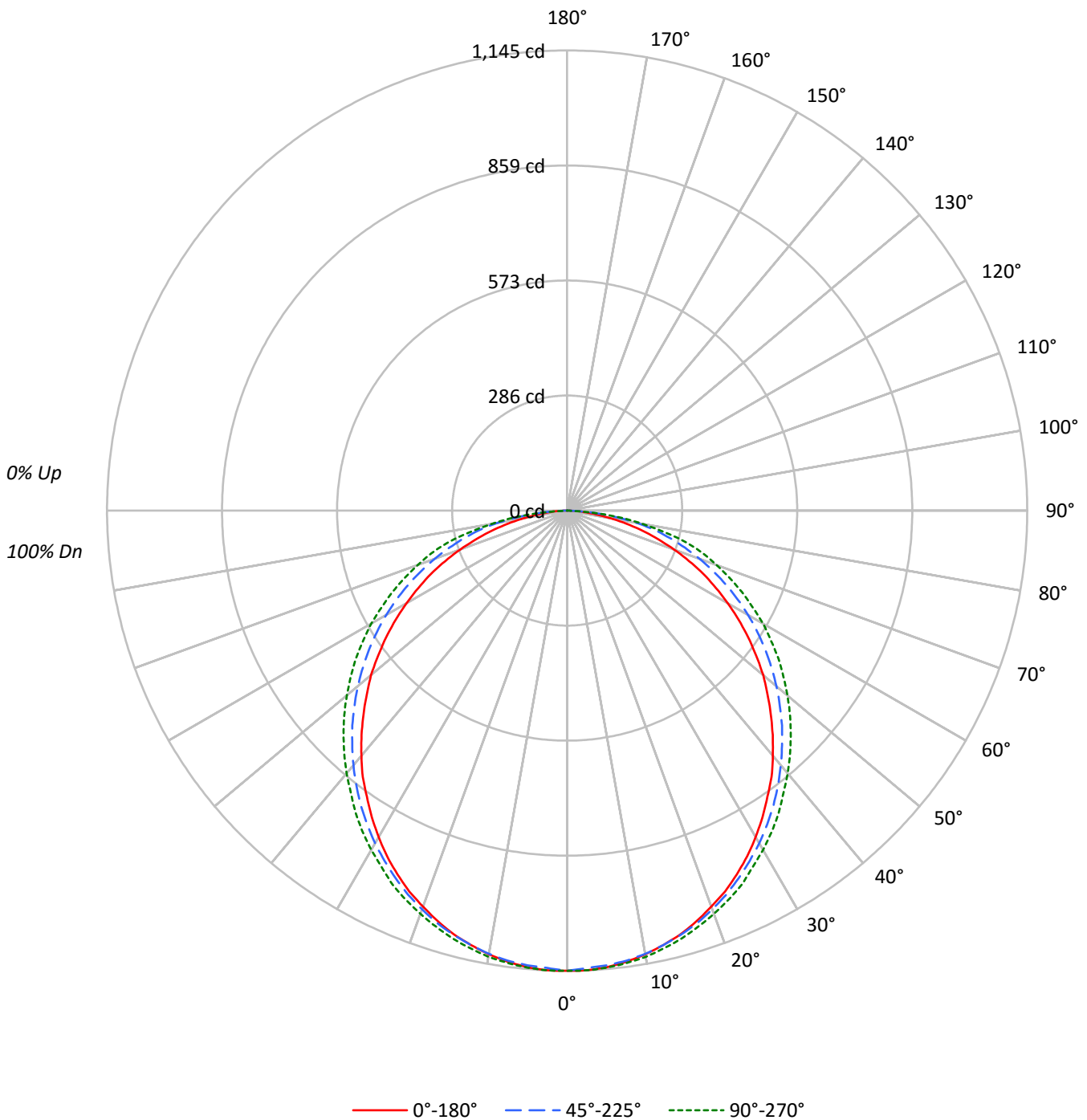
Lumens per Lamp: N/A
Luminaire Lumens: 3333.2 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 29.2
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



TEST NUMBER: P302284
CATALOG NUMBER: RX-WO-40H940-UNV-24-STD

Luminous Intensity Polar Plot





TEST NUMBER: P302284

CATALOG NUMBER: RX-WO-40H940-UNV-24-STD

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	108	103	99	95	106	101	97	93	97	93	90		93	90	88		89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74		81	76	72		78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	62		71	65	61		68	64	60	57
4	82	69	60	54	79	68	60	53	65	58	52		63	57	52		61	55	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	39		51	44	39		50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1541	1541	1541
5°	1540	1534	1542
10°	1532	1530	1540
15°	1520	1522	1535
20°	1502	1512	1529
25°	1483	1499	1525
30°	1457	1485	1515
35°	1427	1470	1508
40°	1399	1453	1499
45°	1364	1438	1497
50°	1333	1423	1497
55°	1290	1410	1505
60°	1243	1400	1515
65°	1194	1387	1527
70°	1114	1377	1555
75°	1015	1380	1603
80°	839	1365	1476
85°	644	1084	1047



TEST NUMBER: P302284

CATALOG NUMBER: RX-WO-40H940-UNV-24-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.3	3.2
10°-20°	309.1	9.3
20°-30°	466.4	14.0
30°-40°	559.9	16.8
40°-50°	582.3	17.5
50°-60°	535.5	16.1
60°-70°	426.8	12.8
70°-80°	270.5	8.1
80°-90°	74.4	2.2
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°	883.8	26.5
0°-40°	1443.7	43.3
0°-60°	2561.5	76.8
0°-90°	3333.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3333.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1145	1145	1145	1145	1145	
5°	1140	1140	1136	1142	1142	108
15°	1092	1092	1093	1101	1102	308
25°	999	1004	1009	1024	1027	460
35°	869	878	895	912	918	544
45°	717	732	756	780	787	553
55°	550	568	601	631	642	491
65°	375	394	436	469	480	370
75°	195	220	265	299	308	205
85°	42	60	70	69	68	50
90°	0	0	0	0	0	



TEST NUMBER: P302284

CATALOG NUMBER: RX-WO-40H940-UNV-24-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1145.1	1145.1	1145.1	1145.1	1145.1
2.5°	1145.1	1145.1	1139.2	1145.1	1145.1
5°	1140.4	1140.4	1135.6	1141.5	1141.5
7.5°	1132.0	1133.2	1129.6	1135.6	1135.6
10°	1121.3	1122.5	1120.1	1127.3	1127.3
12.5°	1107.0	1108.2	1107.0	1115.4	1115.4
15°	1091.5	1091.5	1092.7	1101.1	1102.3
17.5°	1071.3	1073.7	1076.1	1085.6	1085.6
20°	1048.7	1052.3	1055.8	1067.7	1067.7
22.5°	1026.1	1029.6	1034.4	1046.3	1048.7
25°	998.7	1003.5	1009.4	1023.7	1027.3
27.5°	970.1	973.7	983.2	998.7	999.9
30°	938.0	943.9	955.8	971.3	974.9
32.5°	904.7	913.0	926.1	943.9	947.5
35°	869.0	878.5	895.1	911.8	917.8
37.5°	835.6	842.8	861.8	880.9	884.4
40°	796.3	807.1	827.3	848.7	853.5
42.5°	757.1	769.0	791.6	813.0	821.3
45°	716.6	732.1	755.9	779.7	786.8
47.5°	676.1	692.8	717.8	744.0	752.3
50°	636.8	652.3	679.7	707.1	715.4
52.5°	592.8	610.6	640.4	670.2	678.5
55°	549.9	567.8	601.1	630.9	641.6
57.5°	505.9	526.1	560.7	591.6	601.1
60°	461.9	483.3	520.2	551.1	563.0
62.5°	417.8	438.0	478.5	509.5	520.2
65°	375.0	394.0	435.7	469.0	479.7
67.5°	328.5	350.0	392.8	427.3	436.9
70°	283.3	304.7	350.0	385.7	395.2
72.5°	236.9	261.9	307.1	341.6	354.7
75°	195.2	220.2	265.4	298.8	308.3
77.5°	151.2	176.2	222.6	246.4	247.6
80°	108.3	136.9	176.2	185.7	190.5
82.5°	71.4	98.8	121.4	133.3	133.3
85°	41.7	59.5	70.2	69.0	67.8
87.5°	15.5	20.2	16.7	11.9	8.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)