

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: P302233

Luminaire Tested: **RX-WO-35H830-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302233
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-35H830-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (252)3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

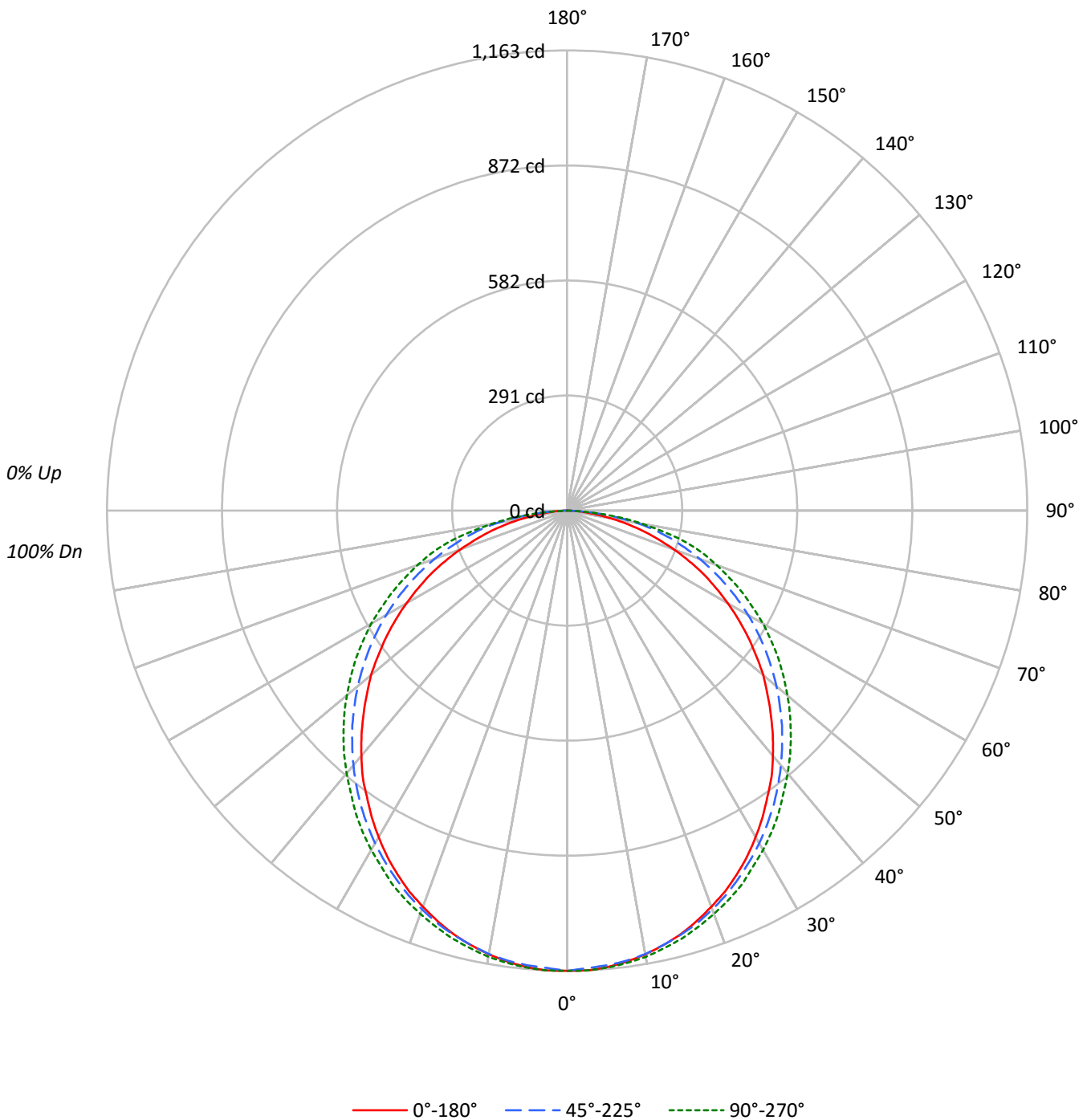
Lumens per Lamp: N/A
Luminaire Lumens: 3385.9 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 25.6
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	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°	1565	1565	1565
5°	1565	1558	1566
10°	1556	1555	1564
15°	1545	1546	1560
20°	1525	1536	1553
25°	1506	1522	1549
30°	1480	1509	1539
35°	1450	1494	1531
40°	1421	1476	1523
45°	1385	1461	1521
50°	1354	1445	1521
55°	1311	1432	1529
60°	1263	1422	1539
65°	1213	1409	1551
70°	1132	1399	1579
75°	1031	1402	1628
80°	852	1387	1499
85°	653	1101	1064



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.0	3.2
10°-20°	314.0	9.3
20°-30°	473.7	14.0
30°-40°	568.8	16.8
40°-50°	591.5	17.5
50°-60°	544.0	16.1
60°-70°	433.6	12.8
70°-80°	274.7	8.1
80°-90°	75.6	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°	897.8	26.5
0°-40°	1466.6	43.3
0°-60°	2602.1	76.8
0°-90°	3385.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3385.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1163	1163	1163	1163	1163	
5°	1158	1158	1154	1160	1160	110
15°	1109	1109	1110	1118	1120	312
25°	1014	1019	1025	1040	1044	467
35°	883	892	909	926	932	553
45°	728	744	768	792	799	562
55°	559	577	611	641	652	499
65°	381	400	443	476	487	375
75°	198	224	270	304	313	209
85°	42	60	71	70	69	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1163.3	1163.3	1163.3	1163.3	1163.3
2.5°	1163.3	1163.3	1157.2	1163.3	1163.3
5°	1158.4	1158.4	1153.6	1159.6	1159.6
7.5°	1150.0	1151.2	1147.5	1153.6	1153.6
10°	1139.1	1140.3	1137.9	1145.1	1145.1
12.5°	1124.6	1125.8	1124.6	1133.0	1133.0
15°	1108.8	1108.8	1110.0	1118.5	1119.7
17.5°	1088.3	1090.7	1093.1	1102.8	1102.8
20°	1065.3	1068.9	1072.6	1084.7	1084.7
22.5°	1042.3	1046.0	1050.8	1062.9	1065.3
25°	1014.5	1019.4	1025.4	1039.9	1043.5
27.5°	985.5	989.1	998.8	1014.5	1015.7
30°	952.9	958.9	971.0	986.7	990.3
32.5°	919.0	927.5	940.8	958.9	962.5
35°	882.7	892.4	909.3	926.2	932.3
37.5°	848.9	856.1	875.5	894.8	898.4
40°	809.0	819.8	840.4	862.2	867.0
42.5°	769.1	781.1	804.1	825.9	834.4
45°	727.9	743.7	767.8	792.0	799.3
47.5°	686.8	703.8	729.1	755.8	764.2
50°	646.9	662.6	690.5	718.3	726.7
52.5°	602.2	620.3	650.6	680.8	689.2
55°	558.7	576.8	610.6	640.9	651.8
57.5°	513.9	534.5	569.5	601.0	610.6
60°	469.2	490.9	528.4	559.9	572.0
62.5°	424.4	445.0	486.1	517.5	528.4
65°	380.9	400.2	442.6	476.4	487.3
67.5°	333.7	355.5	399.0	434.1	443.8
70°	287.8	309.6	355.5	391.8	401.5
72.5°	240.6	266.0	312.0	347.0	360.3
75°	198.3	223.7	269.7	303.5	313.2
77.5°	153.6	179.0	226.1	250.3	251.5
80°	110.0	139.1	179.0	188.6	193.5
82.5°	72.6	100.4	123.3	135.4	135.4
85°	42.3	60.5	71.3	70.1	68.9
87.5°	15.7	20.6	16.9	12.1	8.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)