

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: P302253

Luminaire Tested: **RX-WO-35H840-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302253
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-35H840-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (252)4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

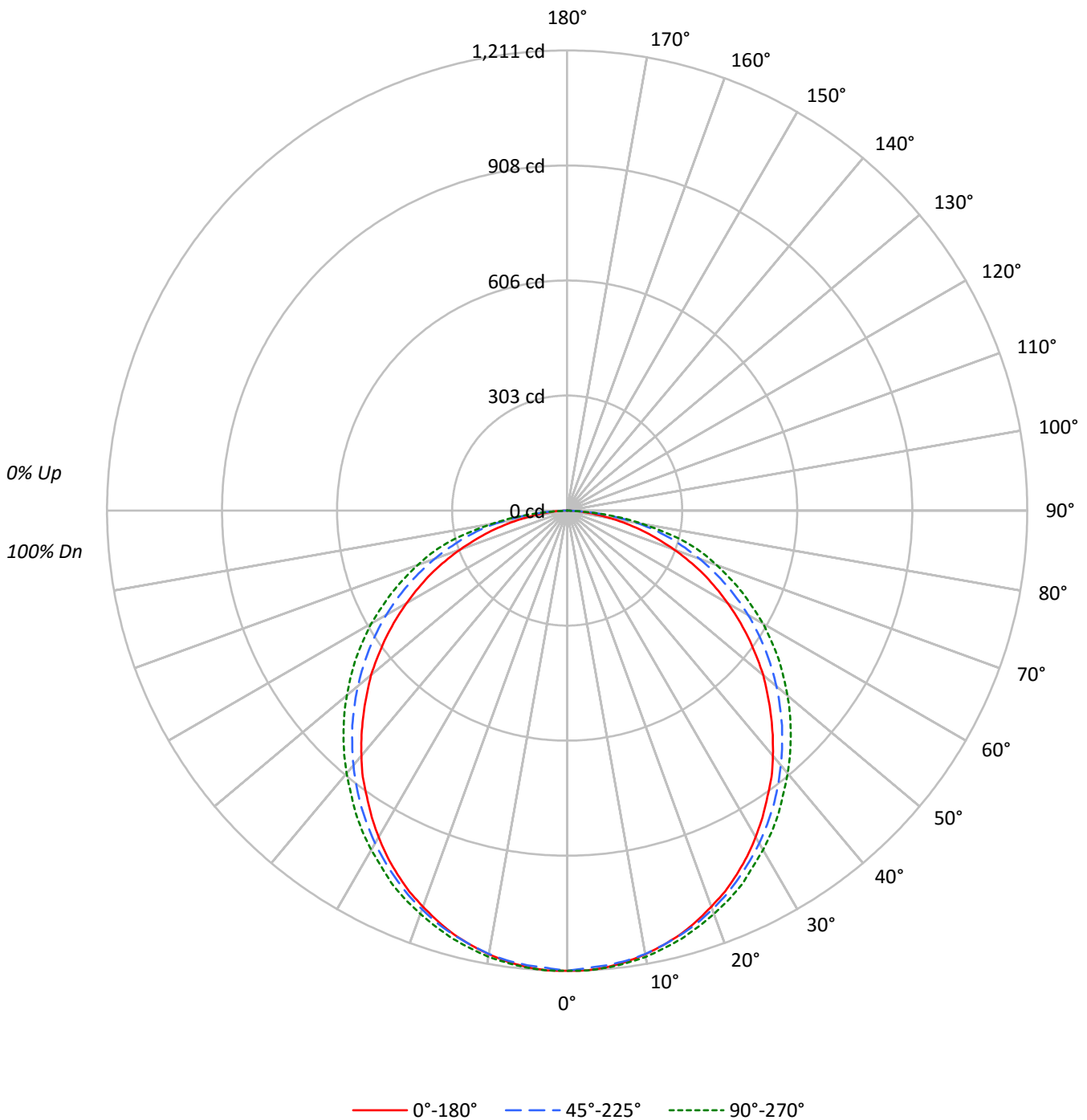
Lumens per Lamp: N/A
Luminaire Lumens: 3525.5 lumens
Efficiency: N/A
Efficacy: 137.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P302253
CATALOG NUMBER: RX-WO-35H840-UNV-24-STD

Luminous Intensity Polar Plot





TEST NUMBER: P302253

CATALOG NUMBER: RX-WO-35H840-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°	1630	1630	1630
5°	1629	1622	1631
10°	1620	1619	1629
15°	1608	1610	1624
20°	1588	1599	1617
25°	1568	1585	1613
30°	1541	1571	1602
35°	1510	1555	1594
40°	1479	1537	1586
45°	1442	1521	1584
50°	1410	1505	1584
55°	1365	1491	1592
60°	1315	1481	1602
65°	1263	1467	1615
70°	1179	1456	1644
75°	1074	1460	1695
80°	888	1444	1561
85°	681	1147	1108



TEST NUMBER: P302253

CATALOG NUMBER: RX-WO-35H840-UNV-24-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.5	3.2
10°-20°	327.0	9.3
20°-30°	493.3	14.0
30°-40°	592.2	16.8
40°-50°	615.9	17.5
50°-60°	566.4	16.1
60°-70°	451.4	12.8
70°-80°	286.1	8.1
80°-90°	78.7	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°	934.8	26.5
0°-40°	1527.0	43.3
0°-60°	2709.3	76.8
0°-90°	3525.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3525.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1211	1211	1211	1211	1211	
5°	1206	1206	1201	1207	1207	114
15°	1154	1154	1156	1165	1166	325
25°	1056	1061	1068	1083	1086	487
35°	919	929	947	964	971	576
45°	758	774	800	825	832	585
55°	582	601	636	667	679	520
65°	397	417	461	496	507	391
75°	206	233	281	316	326	217
85°	44	63	74	73	72	53
90°	0	0	0	0	0	



TEST NUMBER: P302253

CATALOG NUMBER: RX-WO-35H840-UNV-24-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1211.2	1211.2	1211.2	1211.2	1211.2
2.5°	1211.2	1211.2	1204.9	1211.2	1211.2
5°	1206.2	1206.2	1201.1	1207.4	1207.4
7.5°	1197.3	1198.6	1194.8	1201.1	1201.1
10°	1186.0	1187.3	1184.8	1192.3	1192.3
12.5°	1170.9	1172.2	1170.9	1179.7	1179.7
15°	1154.5	1154.5	1155.8	1164.6	1165.9
17.5°	1133.1	1135.6	1138.2	1148.2	1148.2
20°	1109.2	1113.0	1116.8	1129.4	1129.4
22.5°	1085.3	1089.1	1094.1	1106.7	1109.2
25°	1056.3	1061.4	1067.7	1082.8	1086.5
27.5°	1026.1	1029.9	1040.0	1056.3	1057.6
30°	992.1	998.4	1011.0	1027.4	1031.1
32.5°	956.9	965.7	979.5	998.4	1002.2
35°	919.1	929.2	946.8	964.4	970.7
37.5°	883.8	891.4	911.5	931.7	935.5
40°	842.3	853.6	875.0	897.7	902.7
42.5°	800.7	813.3	837.3	859.9	868.7
45°	757.9	774.3	799.5	824.7	832.2
47.5°	715.1	732.8	759.2	786.9	795.7
50°	673.6	690.0	718.9	747.9	756.7
52.5°	627.0	645.9	677.4	708.8	717.6
55°	581.7	600.6	635.8	667.3	678.6
57.5°	535.1	556.5	593.0	625.7	635.8
60°	488.5	511.2	550.2	582.9	595.5
62.5°	441.9	463.3	506.1	538.9	550.2
65°	396.6	416.7	460.8	496.1	507.4
67.5°	347.5	370.2	415.5	452.0	462.1
70°	299.7	322.3	370.2	407.9	418.0
72.5°	250.5	277.0	324.8	361.3	375.2
75°	206.5	232.9	280.8	316.0	326.1
77.5°	159.9	186.3	235.4	260.6	261.9
80°	114.6	144.8	186.3	196.4	201.4
82.5°	75.5	104.5	128.4	141.0	141.0
85°	44.1	63.0	74.3	73.0	71.8
87.5°	16.4	21.4	17.6	12.6	8.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)