

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: P302283

Luminaire Tested: **RX-WO-35H940-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302283
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-35H940-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

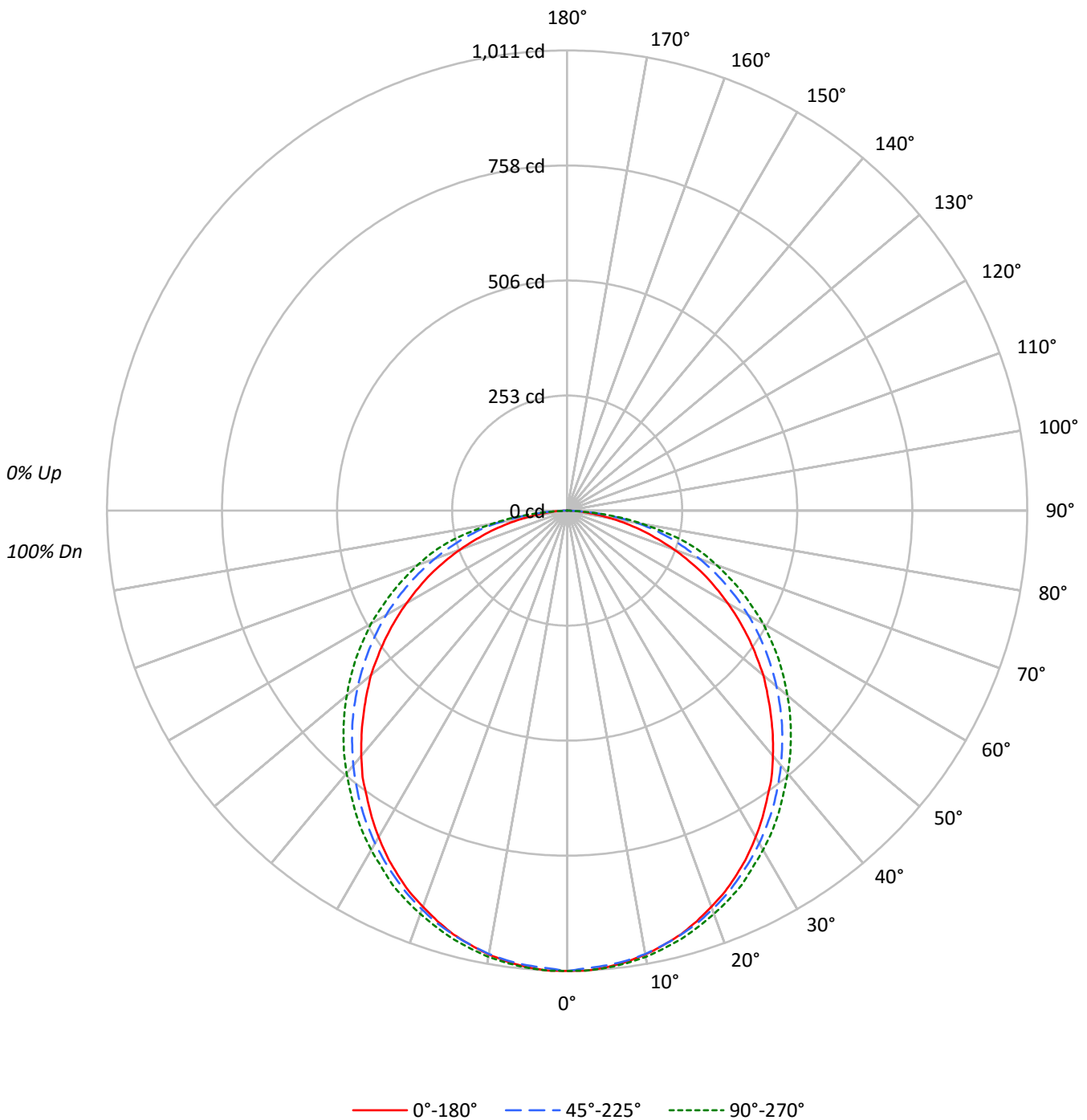
Lumens per Lamp: N/A
Luminaire Lumens: 2943.9 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1361	1361	1361
5°	1360	1355	1362
10°	1353	1352	1360
15°	1343	1344	1356
20°	1326	1335	1350
25°	1310	1324	1347
30°	1287	1312	1338
35°	1261	1299	1331
40°	1235	1283	1324
45°	1204	1270	1322
50°	1177	1257	1323
55°	1139	1245	1329
60°	1098	1236	1338
65°	1054	1225	1349
70°	984	1216	1373
75°	896	1219	1416
80°	742	1206	1303
85°	568	957	925



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.6	3.2
10°-20°	273.0	9.3
20°-30°	411.9	14.0
30°-40°	494.5	16.8
40°-50°	514.3	17.5
50°-60°	473.0	16.1
60°-70°	377.0	12.8
70°-80°	238.9	8.1
80°-90°	65.7	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°	780.6	26.5
0°-40°	1275.1	43.3
0°-60°	2262.4	76.8
0°-90°	2943.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2943.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1011	1011	1011	1011	1011	
5°	1007	1007	1003	1008	1008	96
15°	964	964	965	972	974	272
25°	882	886	892	904	907	406
35°	768	776	791	805	811	481
45°	633	647	668	689	695	489
55°	486	502	531	557	567	434
65°	331	348	385	414	424	326
75°	172	194	234	264	272	181
85°	37	53	62	61	60	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1011.4	1011.4	1011.4	1011.4	1011.4
2.5°	1011.4	1011.4	1006.1	1011.4	1011.4
5°	1007.2	1007.2	1003.0	1008.2	1008.2
7.5°	999.8	1000.9	997.7	1003.0	1003.0
10°	990.4	991.4	989.3	995.6	995.6
12.5°	977.8	978.8	977.8	985.1	985.1
15°	964.1	964.1	965.1	972.5	973.6
17.5°	946.2	948.3	950.4	958.8	958.8
20°	926.2	929.4	932.6	943.1	943.1
22.5°	906.3	909.4	913.6	924.1	926.2
25°	882.1	886.3	891.5	904.2	907.3
27.5°	856.9	860.0	868.4	882.1	883.1
30°	828.5	833.7	844.2	857.9	861.1
32.5°	799.0	806.4	818.0	833.7	836.9
35°	767.5	775.9	790.6	805.3	810.6
37.5°	738.1	744.4	761.2	778.0	781.2
40°	703.4	712.8	730.7	749.6	753.8
42.5°	668.7	679.2	699.2	718.1	725.4
45°	632.9	646.6	667.6	688.6	694.9
47.5°	597.2	611.9	634.0	657.1	664.5
50°	562.5	576.1	600.3	624.5	631.9
52.5°	523.6	539.3	565.6	591.9	599.3
55°	485.7	501.5	530.9	557.2	566.7
57.5°	446.8	464.7	495.2	522.5	530.9
60°	407.9	426.8	459.4	486.8	497.3
62.5°	369.0	386.9	422.6	450.0	459.4
65°	331.2	348.0	384.8	414.2	423.7
67.5°	290.2	309.1	346.9	377.4	385.8
70°	250.2	269.1	309.1	340.6	349.0
72.5°	209.2	231.3	271.2	301.7	313.3
75°	172.4	194.5	234.5	263.9	272.3
77.5°	133.5	155.6	196.6	217.6	218.7
80°	95.7	120.9	155.6	164.0	168.2
82.5°	63.1	87.3	107.2	117.8	117.8
85°	36.8	52.6	62.0	61.0	59.9
87.5°	13.7	17.9	14.7	10.5	7.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)