

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: PORTFOLIO

Report Number: P251495

Luminaire Tested: **LSR8B70D010 EC8B70930 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251495
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-18)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70930 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7747.2 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.27
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

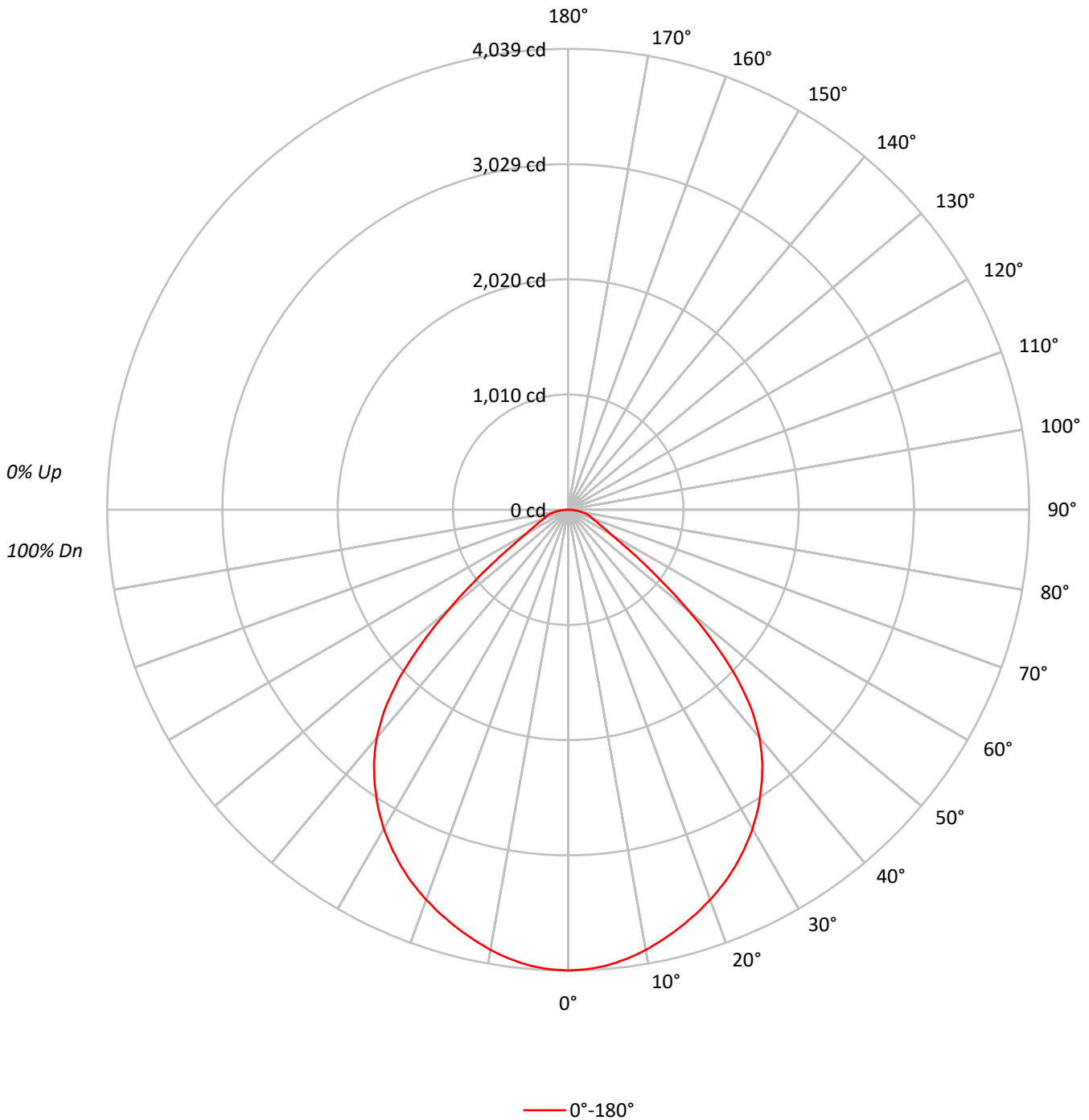
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89
2	103	97	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	67	63	61
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	124548
5°	124049
10°	122655
15°	120954
20°	119376
25°	117564
30°	115003
35°	111148
40°	105063
45°	91509
50°	66174
55°	41197
60°	26821
65°	22035
70°	20322
75°	22029
80°	22411
85°	19955



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	379.6	4.9
10°-20°	1068.8	13.8
20°-30°	1590.0	20.5
30°-40°	1840.4	23.8
40°-50°	1579.2	20.4
50°-60°	726.1	9.4
60°-70°	308.3	4.0
70°-80°	191.0	2.5
80°-90°	63.8	0.8
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°	3038.5	39.2
0°-40°	4878.9	63.0
0°-60°	7184.2	92.7
0°-90°	7747.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7747.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4039	
5°	4008	380
15°	3789	1069
25°	3455	1590
35°	2953	1840
45°	2098	1579
55°	766	726
65°	302	308
75°	185	191
85°	56	64
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4039.0
2.5°	4030.0
5°	4007.5
7.5°	3969.1
10°	3917.2
12.5°	3856.4
15°	3788.8
17.5°	3716.7
20°	3637.8
22.5°	3552.1
25°	3455.3
27.5°	3347.0
30°	3229.8
32.5°	3099.1
35°	2952.6
37.5°	2794.8
40°	2610.0
42.5°	2382.3
45°	2098.4
47.5°	1749.0
50°	1379.4
52.5°	1036.8
55°	766.3
57.5°	563.5
60°	434.9
62.5°	356.1
65°	302.0
67.5°	259.2
70°	225.4
72.5°	205.1
75°	184.9
77.5°	157.7
80°	126.2
82.5°	90.1
85°	56.4
87.5°	24.8
90°	0.0

(END OF REPORT)