

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: P250935

Luminaire Tested: **LSR8B70D010 EC8B709730 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250935
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B709730 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5560.0 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

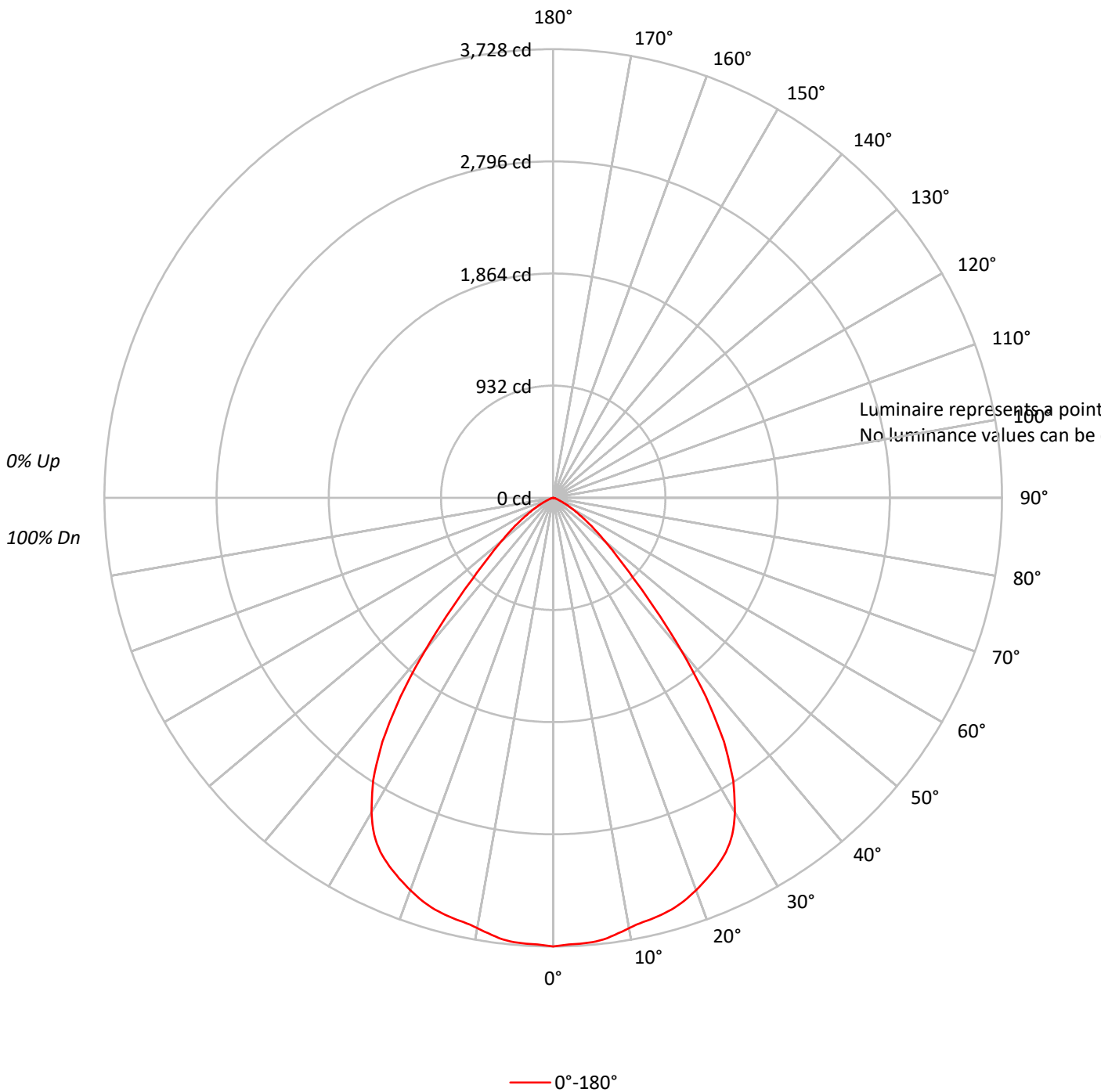
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	71	77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.3	6.3
10°-20°	1008.0	18.1
20°-30°	1517.0	27.3
30°-40°	1501.9	27.0
40°-50°	763.2	13.7
50°-60°	307.4	5.5
60°-70°	93.1	1.7
70°-80°	16.0	0.3
80°-90°	2.0	0.0
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°	2876.4	51.7
0°-40°	4378.3	78.7
0°-60°	5448.9	98.0
0°-90°	5560.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5560.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3728	
5°	3706	351
15°	3574	1008
25°	3314	1517
35°	2472	1502
45°	935	763
55°	331	307
65°	85	93
75°	13	16
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3728.2
1°	3720.2
2°	3713.7
3°	3712.1
4°	3710.5
5°	3705.7
6°	3699.3
7°	3686.4
8°	3667.1
9°	3649.5
10°	3630.2
11°	3614.1
12°	3602.9
13°	3594.8
14°	3585.2
15°	3573.9
16°	3559.5
17°	3541.8
18°	3520.9
19°	3496.8
20°	3469.5
21°	3440.6
22°	3411.6
23°	3381.1
24°	3349.0
25°	3313.6
26°	3275.0
27°	3225.2
28°	3167.4
29°	3098.3
30°	3017.9
32.5°	2783.3
35°	2471.5
37.5°	2082.7
40°	1648.8
42.5°	1245.4
45°	935.3
47.5°	715.1
50°	560.8
52.5°	435.5
55°	331.0
57.5°	245.9
60°	184.8
62.5°	131.8
65°	85.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	53.0
70°	33.7
72.5°	20.9
75°	12.9
77.5°	8.0
80°	4.8
82.5°	3.2
85°	1.6
87.5°	0.0
90°	0.0

(END OF REPORT)