

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: P247084

Luminaire Tested: **LSR8B100D010 EC8B100950 8LBW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247084
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25264)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B100D010 EC8B100950 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10683.0 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.22
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

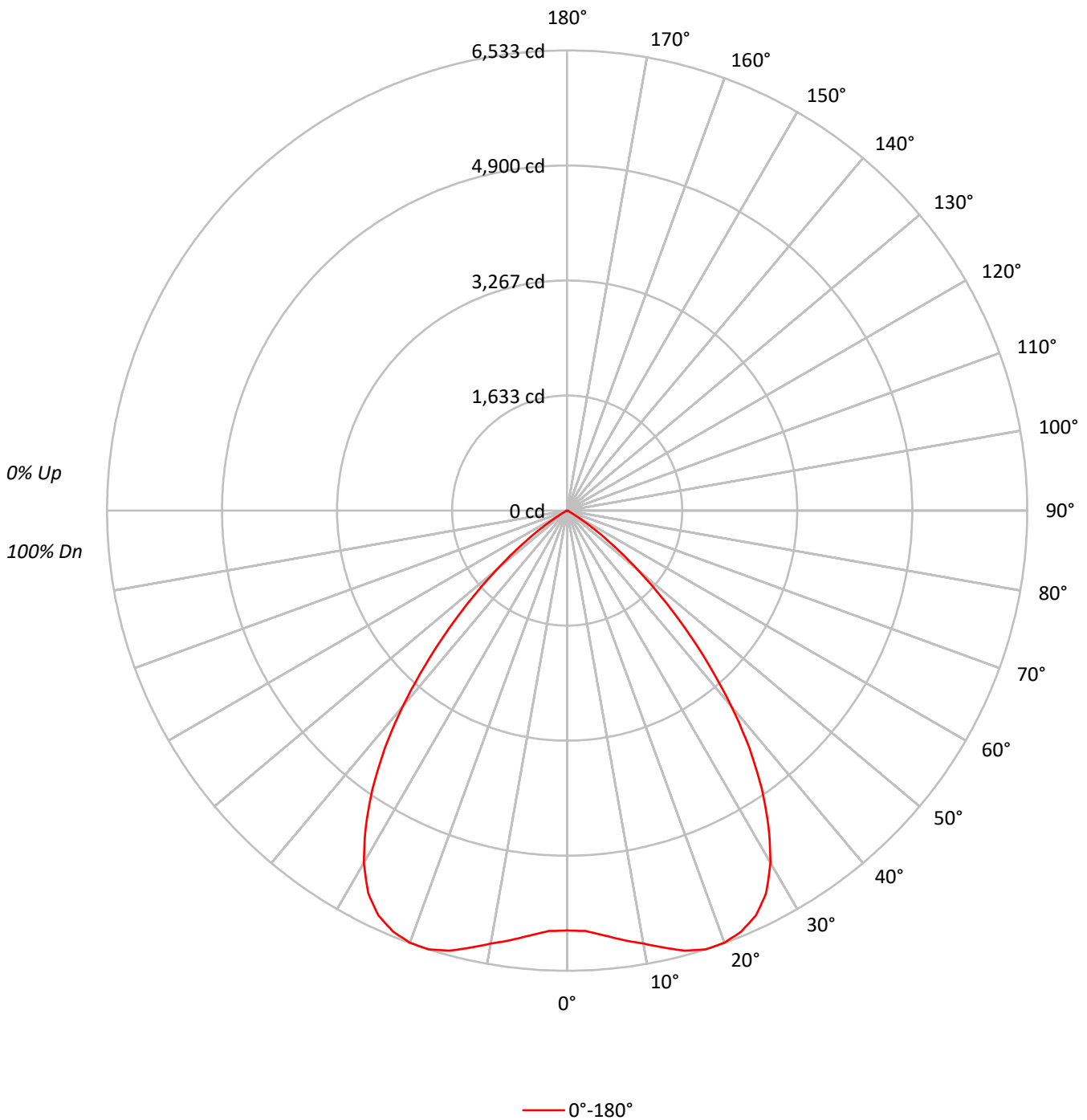
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	94	92
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	58	56
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51
8	72	61	54	49	71	60	54	49	59	53	49	58	52	48	57	52	48	47
9	68	56	50	45	66	56	49	45	55	49	45	54	48	45	53	48	44	43
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	183825
5°	187412
10°	195450
15°	206495
20°	214235
25°	215791
30°	205586
35°	181340
40°	146186
45°	103790
50°	62374
55°	28101
60°	7247
65°	1561
70°	766
75°	512
80°	249
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	584.0	5.5
10°-20°	1828.7	17.1
20°-30°	2892.0	27.1
30°-40°	2971.6	27.8
40°-50°	1843.4	17.3
50°-60°	522.6	4.9
60°-70°	35.3	0.3
70°-80°	4.7	0.0
80°-90°	0.6	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°	5304.8	49.7
0°-40°	8276.4	77.5
0°-60°	10642.4	99.6
0°-90°	10683.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10683.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5961	
5°	6054	584
15°	6468	1829
25°	6342	2892
35°	4817	2972
45°	2380	1843
55°	523	523
65°	21	35
75°	4	5
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5961.3
2.5°	5972.8
5°	6054.5
7.5°	6150.4
10°	6242.0
12.5°	6355.1
15°	6468.3
17.5°	6532.7
20°	6528.5
22.5°	6465.4
25°	6342.3
27.5°	6118.9
30°	5773.8
32.5°	5319.8
35°	4817.2
37.5°	4248.8
40°	3631.6
42.5°	2989.9
45°	2380.0
47.5°	1813.0
50°	1300.2
52.5°	875.0
55°	522.7
57.5°	269.2
60°	117.5
62.5°	47.3
65°	21.4
67.5°	12.9
70°	8.5
72.5°	5.8
75°	4.3
77.5°	2.9
80°	1.4
82.5°	1.4
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)